

Criteria 1.1.1

(Supporting documents from September 2023 to May 2024)

Content

Evidence of offline/online ICT Classes & distribution of study materials:	Page-1-132
Master routine and Departmental Routine:	Page-133-196
Curriculum/ Teaching plan:	Page-197-1077

**DOCUMENTS RELATED TO ONLINE AND OFFLINE ICT CLASSES FROM
SEPTEMBER 2023 TO MAY 2024**

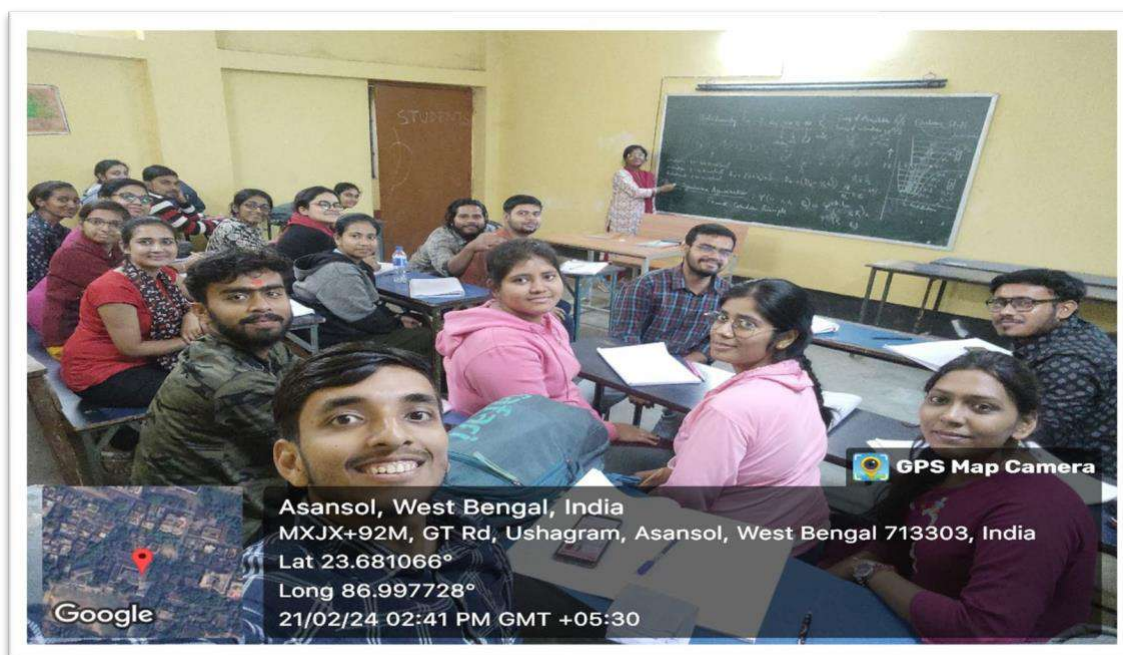
Department of Commerce, Banwarilal Bhalotia College



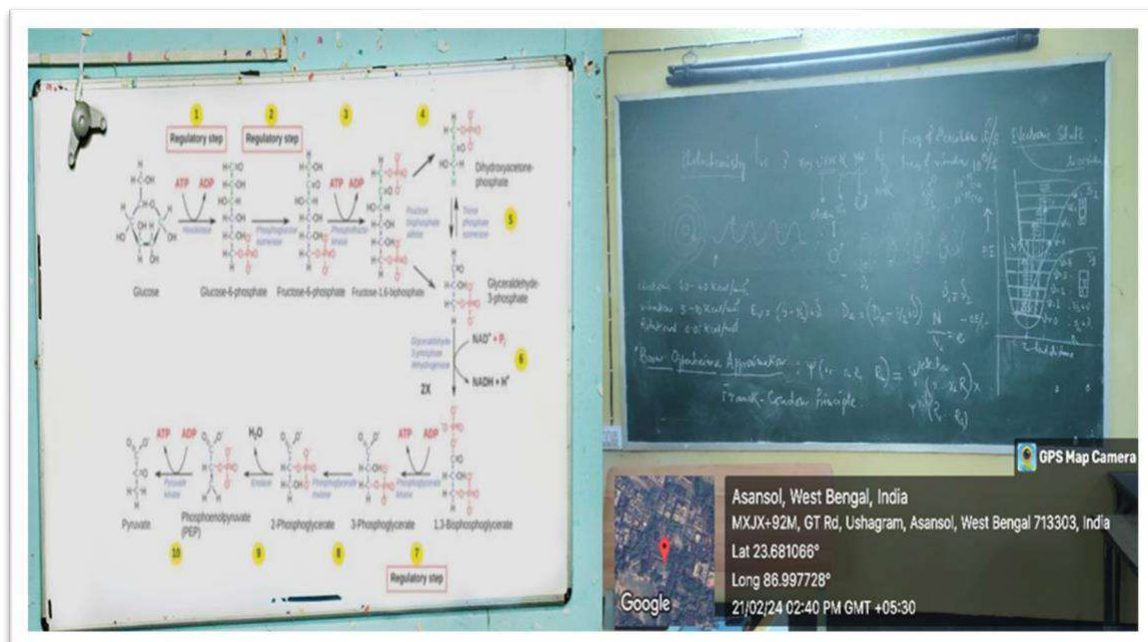




EVIDENCE OF OFFLINE CLASSES TAKEN BY DR. SNIGDHA ROY, DEPT OF CHEMISTRY



Topic: Photochemistry, Semester VI (CBCS) Number of attending students: 19, dated: 21.02.2024



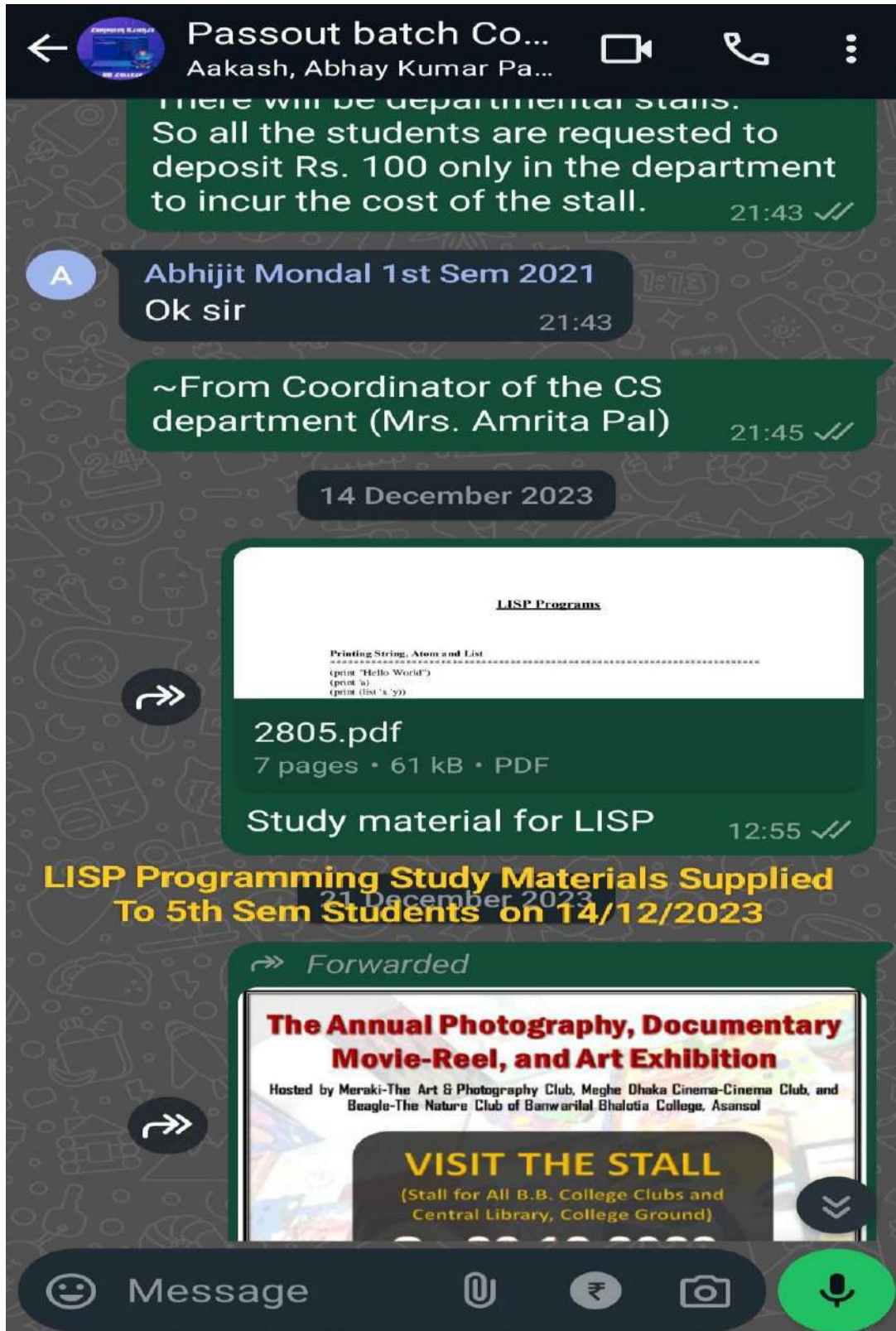
Smart and Black Board Views

Topic: Bioenergetics (Left) and Photochemistry (Right), Semester VI (CBCS)




ICT class-taking evidence (both offline and online)Dr. Binita Dutta, Department of Chemistry





****Competitions and Prizes will be for entries by students only.
Competitions will be in Photography, Documentary... [Read more](#) 21:30 ✓✓

⇒ Forwarded

Banwarilal Bhalotia College 
(GOVT. SPONSORED UG & PG COLLEGE) ASANSOL - 713303, WEST BENGAL, INDIA

The Annual Photography, Documentary Movie-Reel, and Art Competition & Exhibition

Hosted by Meraki-The Art & Photography Club, Meghe Dhaka Cinema-Cinema Club, and Beagle-The Nature Club of B.B. College, Asansol



Shared Computer Networks Program Codes with 2nd Year Students (Now 3rd Year) on 11/12/2023
Declaration Form.pdf
1 page · 1087 KB · PDF

11 December 2023

```
1>> SIMULATE CYCLIC REDUNDANCY CHECK ERROR DETECTION ALGORITHM FOR NOISY CHANNEL.
ANS:
INPUT
/**Program for simulating Cyclic Redundancy Check**/
#include <stdio.h>
#include <conio.h>
```



DEMO CN LAB REPORT_.pdf
33 pages · 750 kB · PDF

12 December 2023

⇒ Forwarded
Paramedical and nursing training course admission.....
it is here by notified for all semester

19 October 2023

Prentice Hall Series in Artificial Intelligence



ANSI Common LISP (Paul Graham) (z-lib.org).pdf
450 pages • 6.1 MB • PDF

17:40 ✓✓

DAVID S. TOURETZKY



Common LISP a Gentle Introduction to Symbolic Compu...

550 pages • 25 MB • PDF

17:40 ✓✓

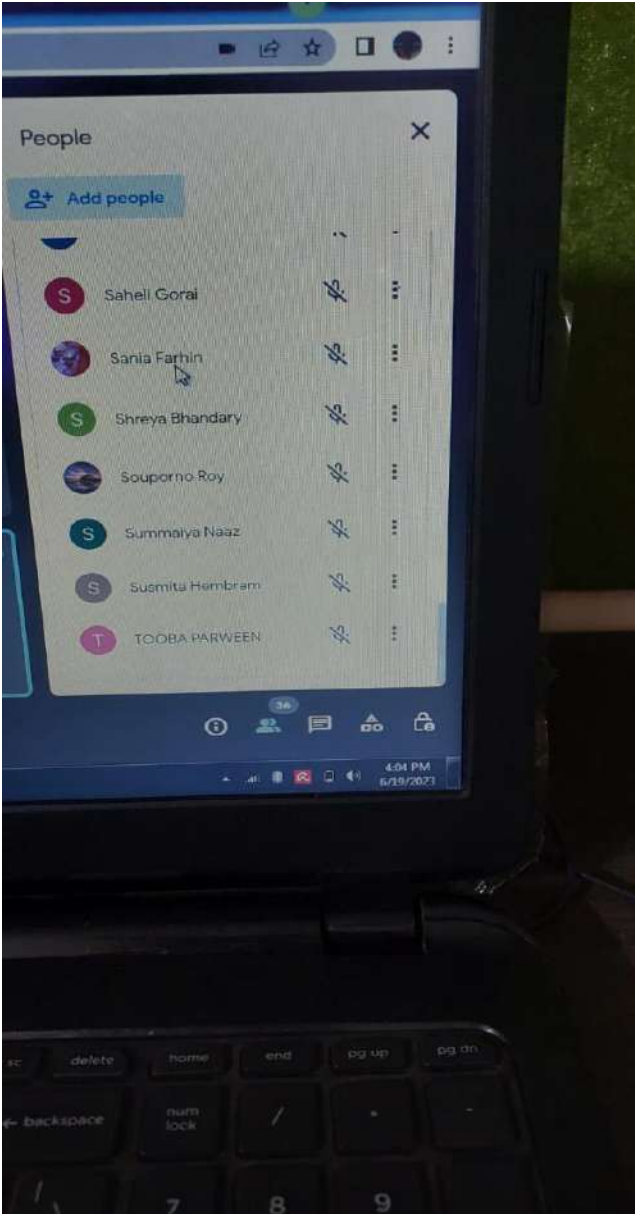
LISP PROGRAMMING BOOKS 17:40 ✓✓

NOTICE

LISP Programming Books Shared With 5th Sem Students on 19/10/2023.

Dr Chandana Singha, Assistant Professor and Head, Department of Geography, Banwarilal Bhalotia College, Asansol

ONLINE CLASS EVIDENCES





Koyel




Nilanjana



Eliza




Ishita



Deblina



Prity



You



Jharna 23 others































































About this call

People

Information

Activities

-  Kazi Nilufa   
-  madhumita maji2000   
-  Parimal Hansda   
-  Payal Chattopadhyay   
-  Payal Maji   
-  Payel Khan   
-  Prity Roy   
-  Rimli Bank   
-  Rohan roy   
-  Rupam Kumari Jha   
-  S Ranjith   
-  Saba Tabassum   
-  Souvik Saha   
-  sudesna Bhattachar   
-  Suman Paul   
















Call participants: You, Avina, +20






About this call

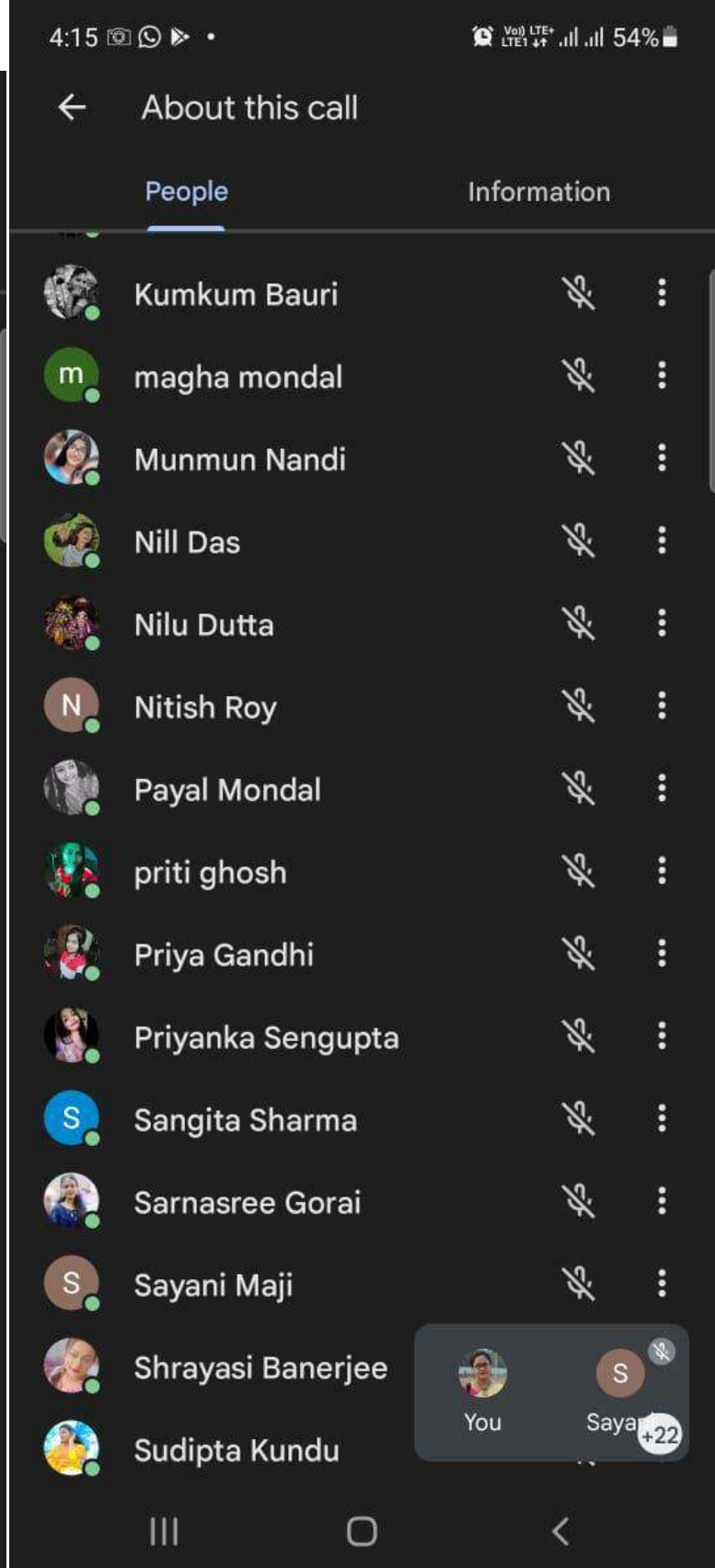
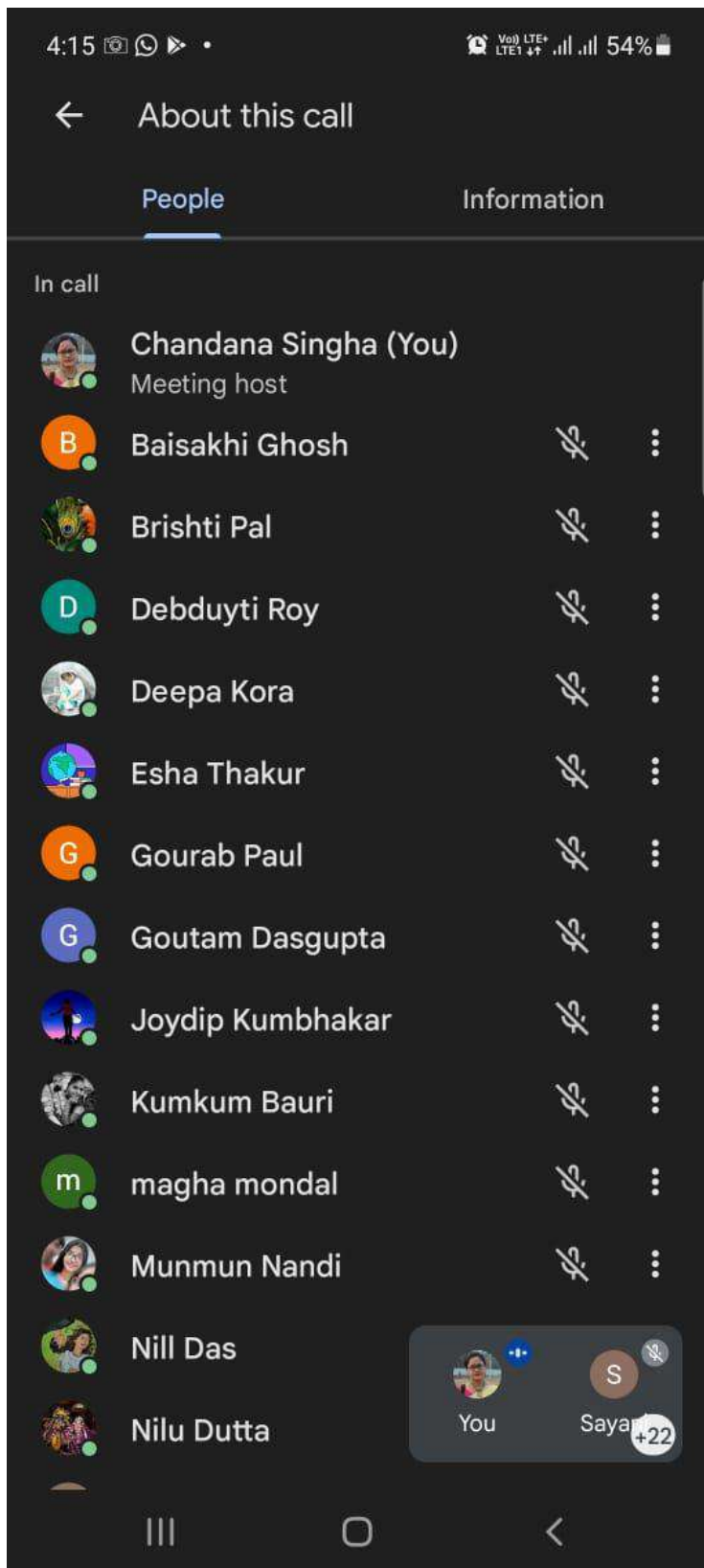
People

Information

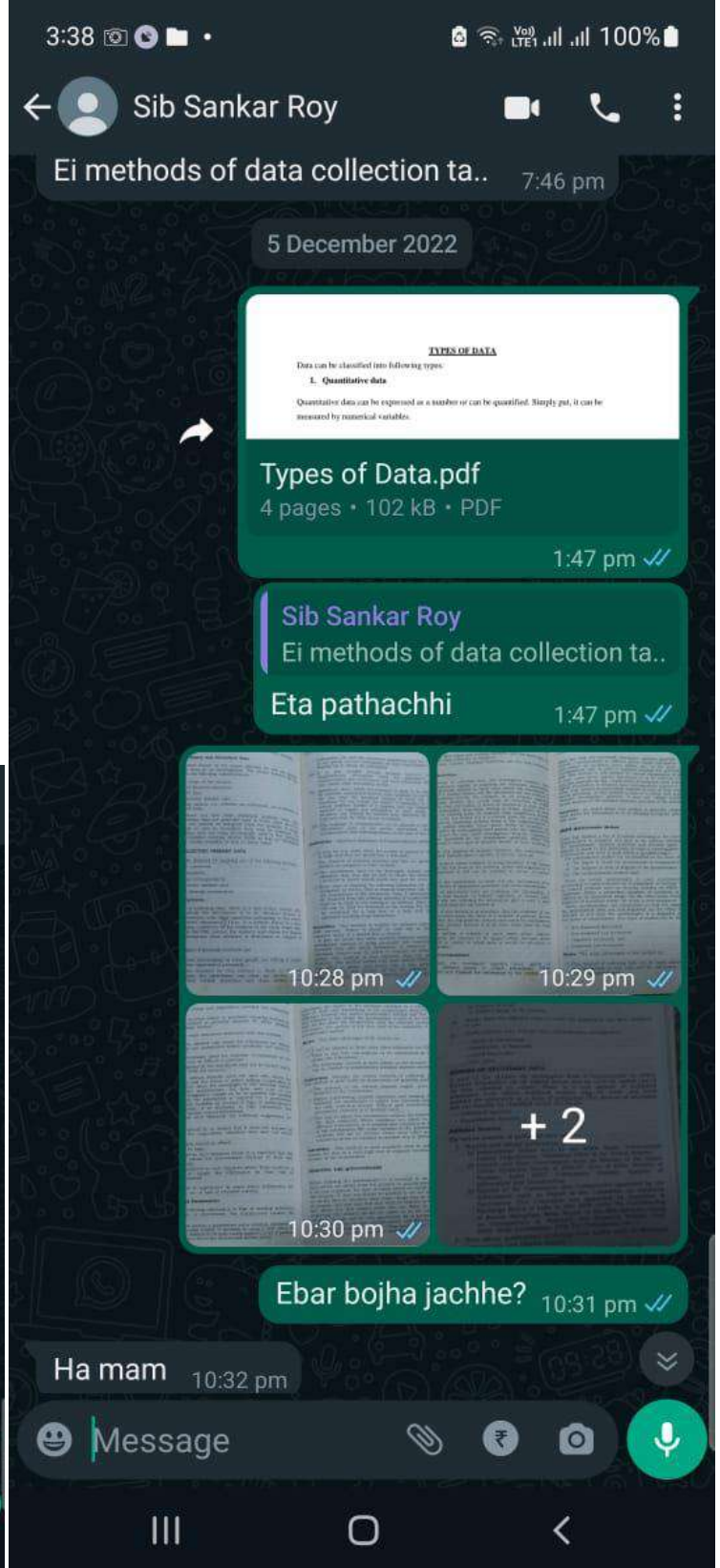
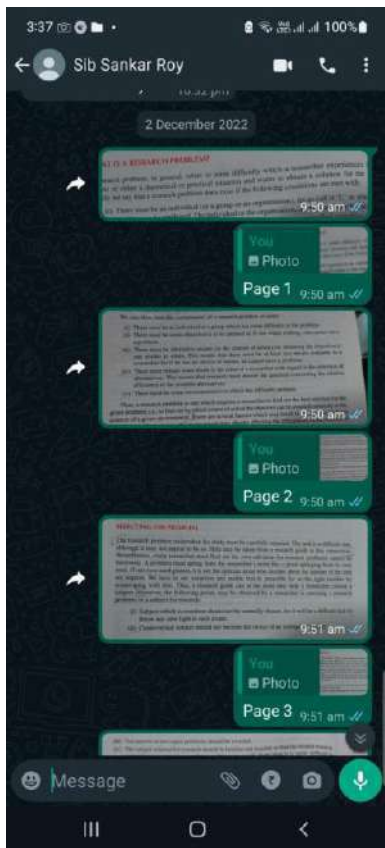
-  Chandana Singha (You)
Meeting host
-  Debjit Roy
-  DIBYANGANA SANYAL
-  hema kora
-  Kazi Nilufa
-  madhumita maji2000
-  Mita Marandi
-  Nitish Shaw
-  Parimal Hansda
-  Payal Chattopadhyay
-  Payel Khan
-  Prity Roy
-  Puja Maji
-  Rimli Bank
-  Rohan roy

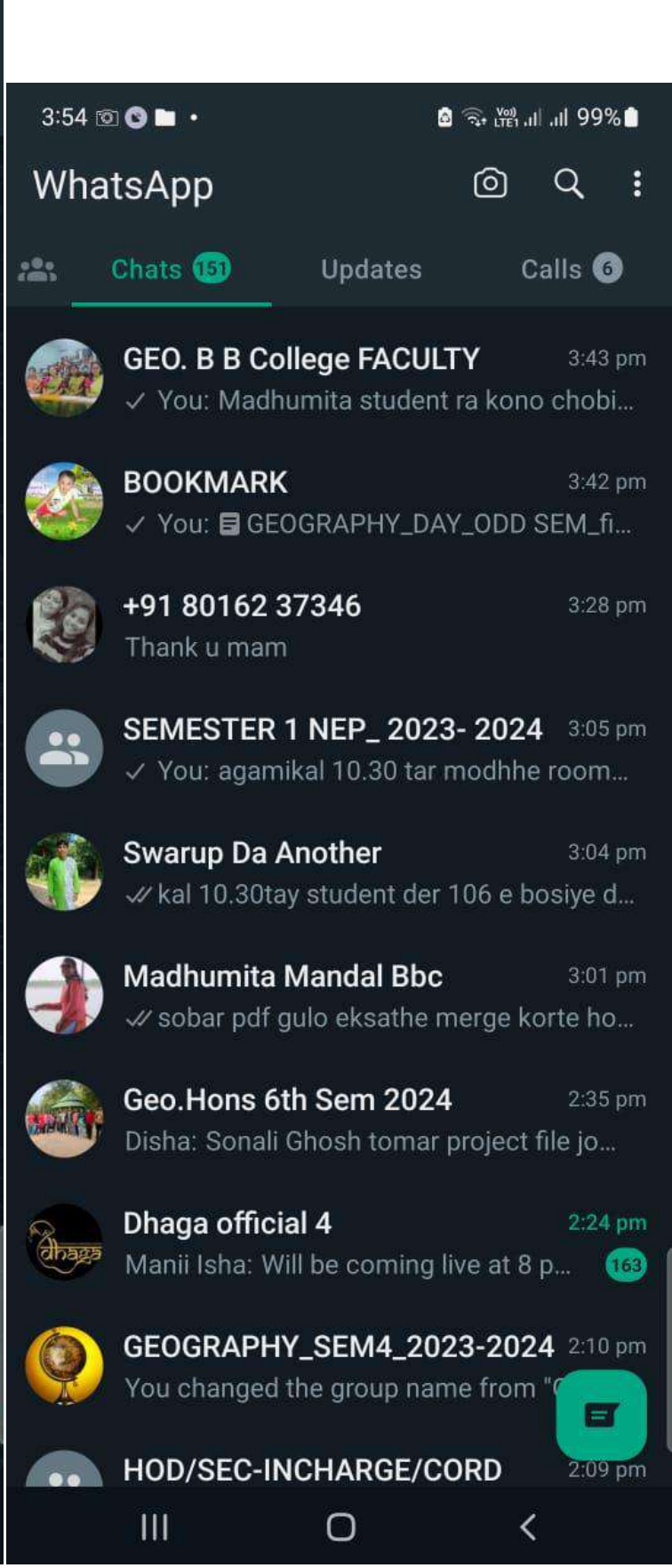
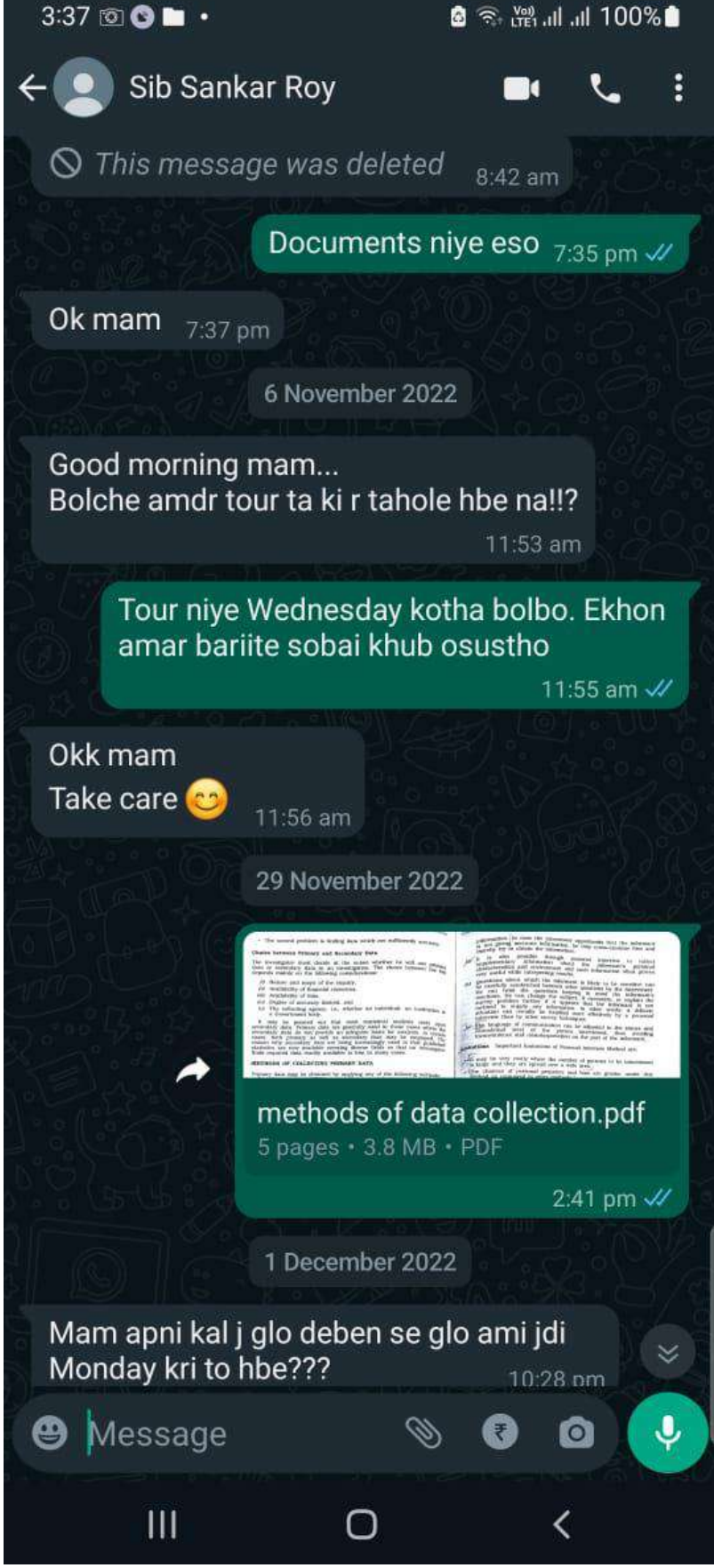
 You
 DIBYANGANA SANYAL
 +16





STUDY MATERIAL DISTRIBUTION THROUGH WHATS AAP





Dibyangana Sanyal

HYGIROMETER
Table for recording Wet Bulb and Dry Bulb Temperature

Place of observation: Department of Geography, BB college, Bawal
Registration No.:
Semester: 3rd Session: 2022-2023

Date	Time	Dry Bulb Temperature (°C)	Wet Bulb Temperature (°C)	Dewpoint (°C)	Relative Humidity (%)
03-09-22	1:30pm	34	31.5	3.5	77
03-09-22	3:00pm	35.5	31.5	3	84
03-09-22	2:00pm	34.5	33	1.5	70
04-09-22	2:05pm	32.5	31.5	1	73
04-09-22	3:05pm	32	31.5	0.5	76
04-09-22	1:00pm	34.5	34	0.5	74
04-09-22	11:55AM	35	34	1	73
04-09-22	1:26pm	36	35	1	78
04-09-22	11:55AM	34.5	33	1.5	77

11:27 am

4 January 2023

The application of remote sensing in forestry

Remote sensing is used in many states by natural resource management of the forestry sector. Remote sensing data is an essential element of forest inventory. The forest sector is second to the military in using remote sensing data for inventory purposes. Remote sensing is the use of all space-borne and airborne instruments for observation of the Earth.

Remote sensing instrumentation and their use in forest management

The application of remote sensing in forestry.pdf

2 pages • 13 kB • PDF

11:10 pm

You

The application of remote sensing in forestry.pdf (2 pages)

Final sheet

11:11 pm

You

Final sheet

Message

Dibyangana Sanyal

amake phone kore bollo korbe na apnake janiye dite .

7:56 pm

Ok 8:12 pm

20 September 2022

6.181 Mercury Barometer

The mercury barometer consists of a glass tube filled with mercury. The upper part of the mercury column is clearly seen, when the tube is held vertically. The length of the mercury column is measured by a scale placed behind the tube. The zero of the scale is fixed at the top of the mercury level. The scale is graduated in millimeters. The length in millimeters, contained in the space between the zero of the scale and the top of the mercury level, is the height of the mercury column. The height of the mercury column is converted into millibars. As one inch of mercury column can exert 33.86395 mb. of atmospheric pressure and one centimetre of mercury column can show 13.33171 mb. of pressure.

11:07 am

6.182 Fortin's Barometer

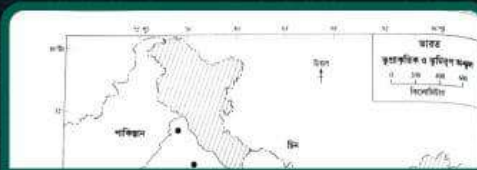
Fortin's barometer is a modification of original barometer. In this barometer a long glass tube filled with mercury is inverted into a container of mercury the bottom of which is fitted with a leather sack with considerable flexibility and scope of air passage. A ivory pin is placed at the top of the mercury column. An ivory pin is fixed with its pointed head downwards to push the mercury level upward. A ivory pin is fixed with its pointed head downwards to push the mercury level upward. This ivory pin is reflected on the scale which measures the length of the mercury column. The scale is graduated in millimeters. The scale is graduated in millimeters. The scale is graduated in millimeters. The scale is graduated in millimeters.

11:07 am

6.183 Wet and Dry Bulb Thermometer in Hygrometer

A wet and dry bulb thermometer is used to measure the relative humidity of the atmosphere. These are two identical thermometers mounted together. The bulb of one thermometer is exposed to the air, whereas the bulb of the other is wrapped with a piece of muslin which is being kept constantly moist by a wick dipping into a small container with water in it. The wet bulb thermometer gives a lower temperature than the dry bulb thermometer. The difference between the two temperatures is known as the wet bulb depression. The temperature of the dry bulb thermometer is taken from the wet bulb thermometer. Then the temperature of the wet bulb thermometer is taken from the dry bulb thermometer. When the air is saturated, there is no difference between the two temperatures. When the air is dry, the difference between the two temperatures is large. The difference between the two temperatures is known as the wet bulb depression. The temperature of the dry bulb thermometer is taken from the wet bulb thermometer. Then the temperature of the wet bulb thermometer is taken from the dry bulb thermometer.

11:10 am



SOUTHERN PENINSULAR PLATEAU.pdf

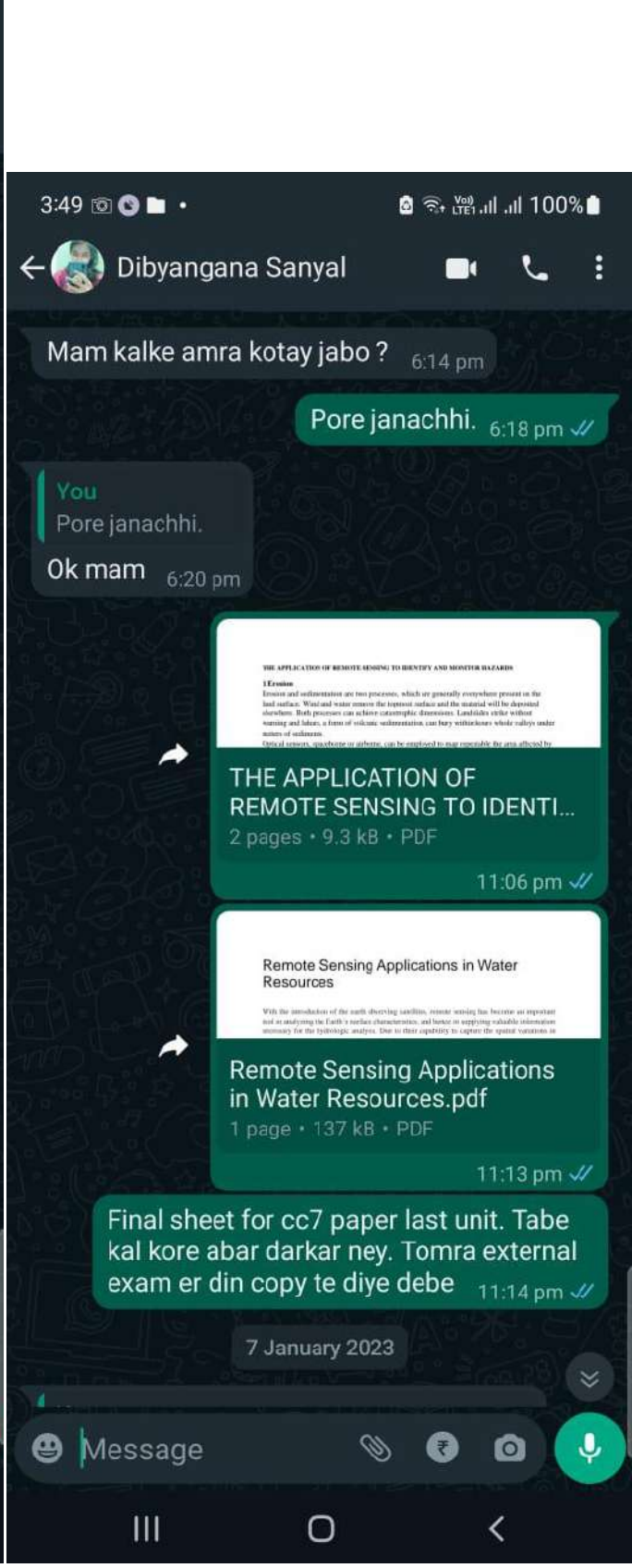
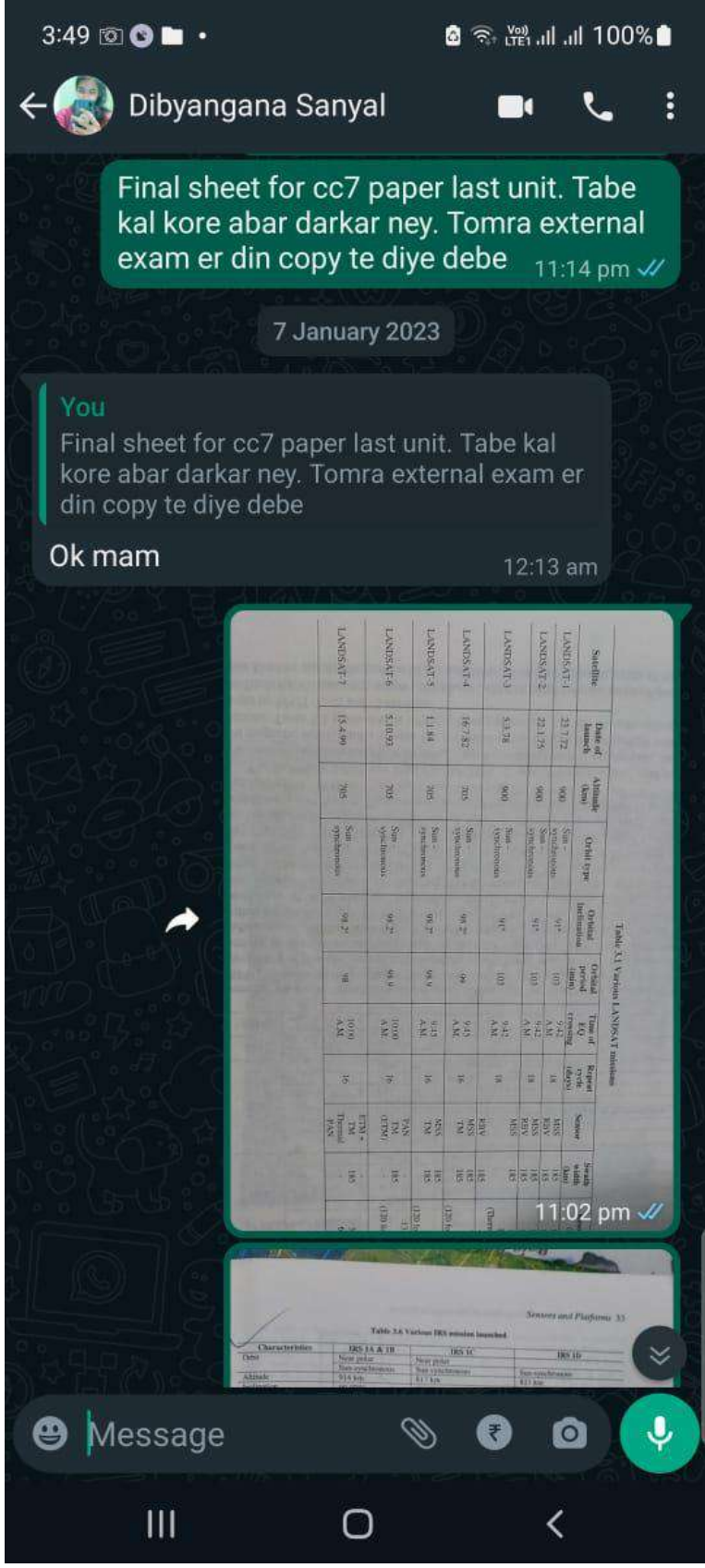
5 pages • 1.6 MB • PDF

1:35 pm

2 November 2022

Mam 3rd ar 5th sem registration mane amader registration certificate ta niye

Message



$S = \{g, b\}$
 where, the outcome 'g' means that the child is a girl and 'b' that it is a boy.

In the above example, if $E = \{g\}$, then E is the event that the child is a girl. Similarly, if $F = \{g\}$, then F is the event that the child is a boy.

For any two events E and F of a sample space S, we define the new event $E \cup F$ to consist of all outcomes that are either in E or in F or in both E and F. That is, the event $E \cup F$ will occur if either E or F occurs. For instance, in example 1 if event $E = \{g\}$ and $F = \{b\}$ then

$$E \cup F = \{g, b\}$$

Thus $E \cup F = S$
 The event $E \cup F$ is called the union of the

For final sheet 3:32 pm

Similarly, for any two events E and F we may also define the new event $E \cap F$, called the intersection of E and F, to consist of all outcomes that are both in E and F. That is, the event $E \cap F$ (sometimes written $E \cap F$) will occur only if both E and F occur.

Example If the outcomes experiment consists of flipping two coins, then the sample space consists of the following four points:

$$S = \{(H,H), (H,T), (T,H), (T,T)\}$$

Suppose, $E = \{(H,H), (H,T), (T,H)\}$ is the event that at least 1 head occurs, and $F = \{(H,T), (T,H), (T,T)\}$ is the event that at least 1 tail occurs, then

$$E \cap F = \{(H,T), (T,H)\}$$

or, $E \cap F = \{(H,T), (T,H)\}$

3:32 pm

Forwarded

Message

15 July 2023

Final Sheet
Mutually Exclusive Events

In probability theory, two events are said to be mutually exclusive if they cannot occur at the same time or simultaneously. In other words, mutually exclusive events are called disjoint events. If two events are considered disjoint events, then the probability of both events occurring at the same time will be zero. Examples even and odd numbers on a die, winning a lottery is being a game, or running and walking.

In case of tossing two dice, if $E = \{(1,6), (2,5), (3,4), (4,3), (5,2), (6,1)\}$ is the event that the sum of the dice is 7 and $F = \{(1,5), (2,4), (3,3), (4,2), (5,1)\}$ is the event that the sum is 6, then the event $E \cap F$ does not contain any outcomes, and hence could not occur. To give such an event a name, we shall refer to it as the null event and denote it by \emptyset . If $E \cap F = \emptyset$, then E and F are said to be mutually exclusive.

For final sheet 1:34 pm

Example: A card is drawn from a deck of 52 cards. What is the probability that the card will:

- either be king or a queen?
- either be red or a face card?
- either be heart or an Ace?

Ans:

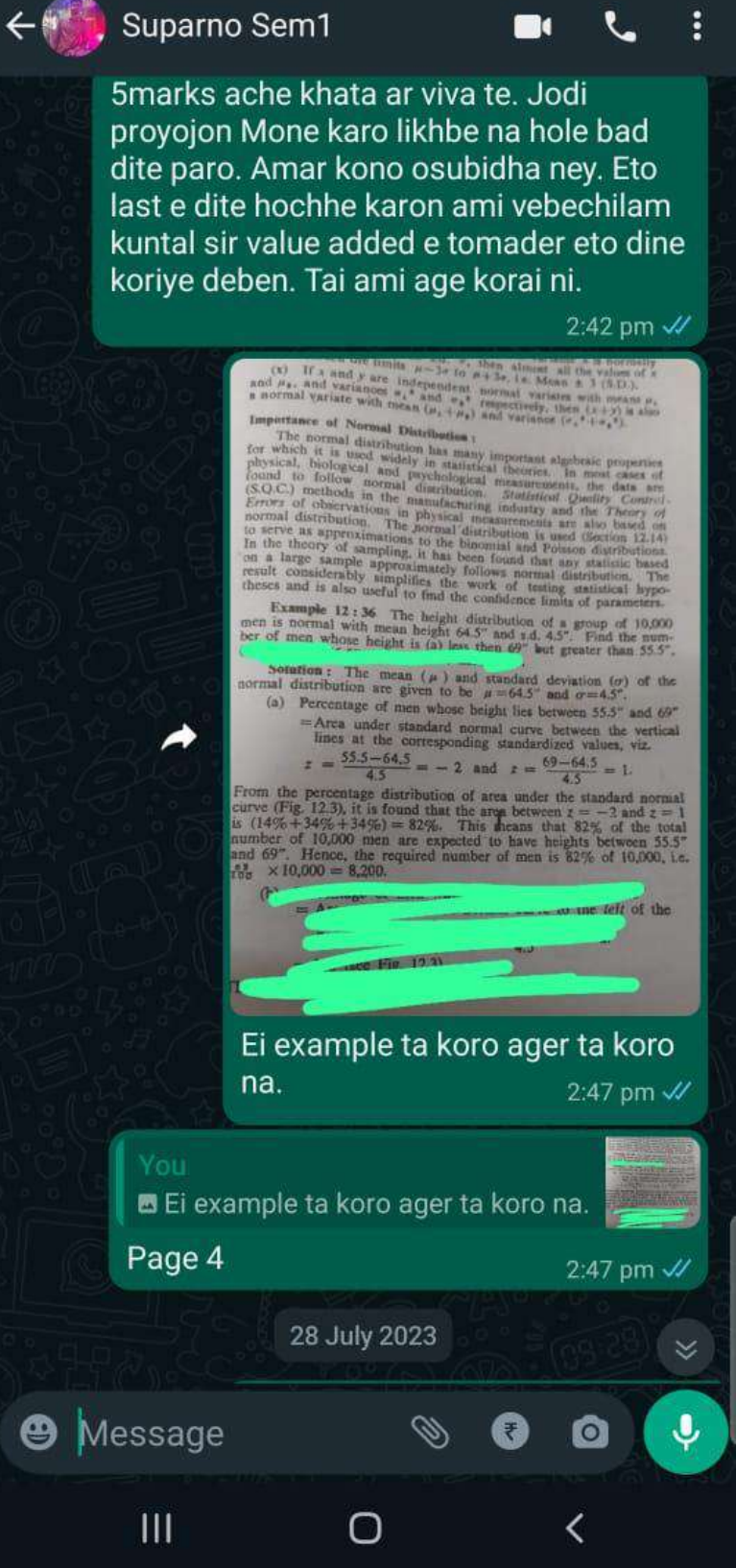
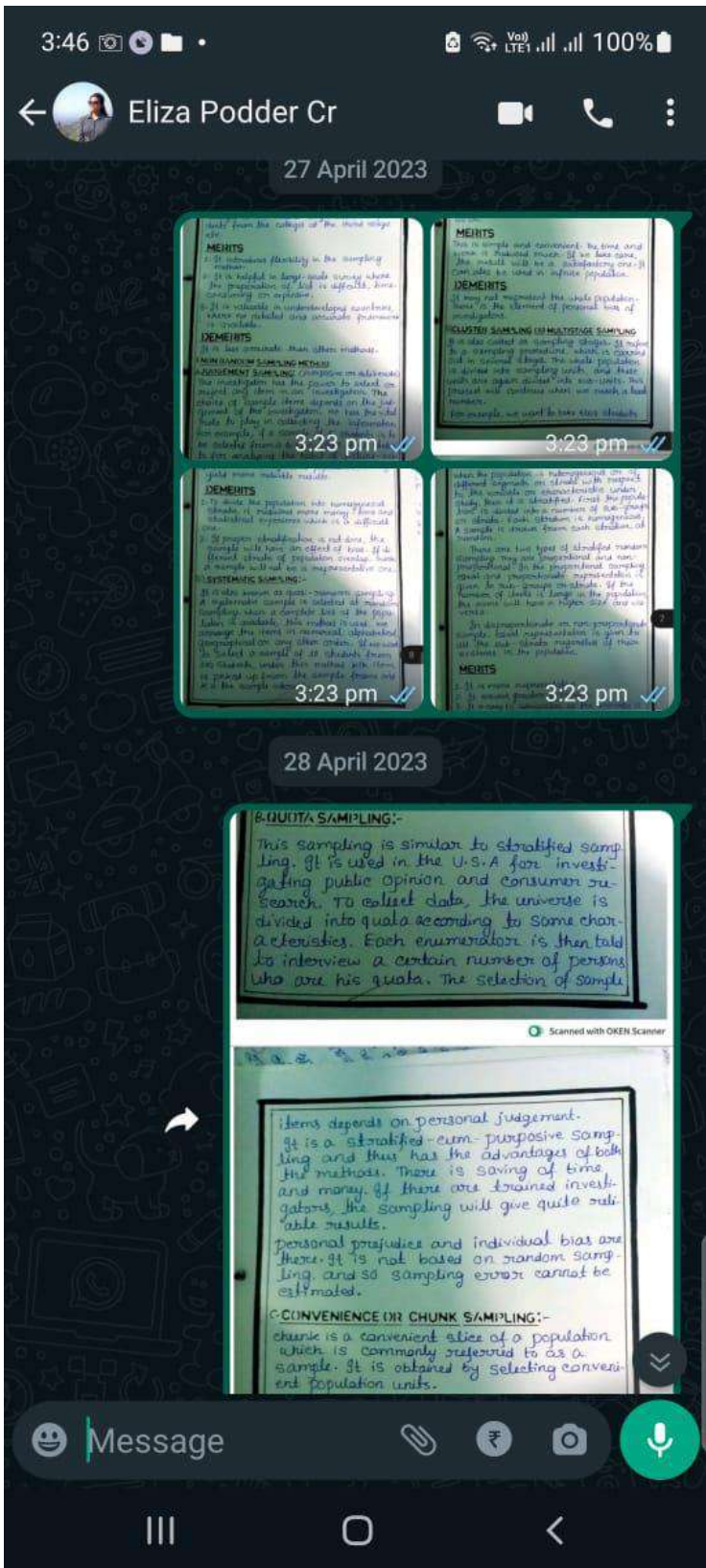
a. $P(K) = \frac{4}{52}$ $P(Q) = \frac{4}{52}$
 $P(K \text{ or } Q) = \frac{4}{52} + \frac{4}{52} = \frac{8}{52} = \frac{2}{13}$
 (Rule Addition Rule)

b. $P(R) = 26$ $P(F) = 12$ $P(R \text{ and } F) = 6$
 $P(R) + P(F) - P(R \text{ and } F)$
 $= \frac{26}{52} + \frac{12}{52} - \frac{6}{52} = \frac{32}{52} = \frac{8}{13}$
 (Inclusion/Exclusion)

c. $P(H) + P(A) - P(A \cap H)$
 $= \frac{13}{52} + \frac{4}{52} - \frac{1}{52}$

Face card: K, Q, J, A
 Red/Heart: 26 cards / 52 cards
 Face card: 12 cards / 52 cards
 Face card: 4 cards / 52 cards
 Face card: 1 card / 52 cards
 Face card: 1 card / 52 cards
 Face card: 1 card / 52 cards

Message



Dry and wet bulb thermometer or Hygrometer: A wet and dry bulb thermometer is used to calculate the relative humidity of the atmosphere. These are two identical thermometers mounted together. The bulb of one thermometer is exposed to the air, whereas the second bulb is wrapped with a piece of muslin which is being kept constantly moist by a wick dipping into a small container with water in it. The wet bulb thermometer gives a lower temperature because the evaporation of water in the muslin requires energy and some of the energy is taken from the wet bulb thermometer. Thus, the temperature of the wet bulb thermometer is lower than the temperature of the dry bulb thermometer. When the air is saturated, there is no evaporation and both the thermometers indicate the same temperature but, when the air is dry, there is rapid evaporation and lowering of temperature due to the wet bulb of the hygrometer. The more rapid the evaporation, the greater is the lowering of the temperature. The difference in temperature indicated by the two thermometers can be used to determine the relative humidity with the help of a hygrometric table and dew point temperature.

Hygrometer 7:51 pm

Fortin's Barometer: Fortin's barometer is a modification of original barometer. In this instrument a long glass tube filled with mercury is inserted into a container of mercury the bottom of which is fitted with a leather sack with considerable flexibility and scope of air passage. A cistern is placed at the bottom to push the mercury level upward. An ivory pin is fixed with its pointed head downward at the top of the mercury container. This ivory pin is reflected in the mercury below and when the mercury level is pushed upward with clockwise turning of cistern, gradually the reflected image touches the original ivory pin and then only the instrument is ready for observation. The glass tube is placed in a tube made up of brass to avoid leakage. At the upper part of the instrument a vernier scale is placed in front of the mercury tube by the side of the main scale which measures the length of the mercury column at any particular barometric pressure and at a particular temperature. This vernier can be moved up and down with the help of a screw fitted on the brass tube.

Barometer 1 7:53 pm

To measure the length of the mercury column the upper part of the mercury column can be viewed through the glass tube. Behind the upper part of the glass tube a white plate is there. In front of the white plate the upper meniscus of the mercury column is clearly seen, when the vernier is moved upward. For measurement of the actual length the screw on the brass tube is used to bring the bottom of the vernier just at the top of the mercury level. Then with the help of the main scale and the vernier the reading is taken. The length in millimetre, centimetre or inch is converted into millibar, as one inch of mercury column can exert 33.86393 mb. of atmospheric pressure and one centimetre of mercury column can show 13.33171 mb. of pressure.

Barometer 2 7:54 pm

9 September 2023

Climograph

It is a diagram which shows data of various climatic elements of one station plotted against one another and the slope of the graph indicates the general characteristics of the climate of that station.

Researchers have devised a variety of this diagram to depict the nature of different climates. The parameters also vary widely. W. Köppen plotted the temperature of the coldest month as abscissa and temperature of the warmest month as ordinate to indicate the thermal division of climates of the world. B. L. Light plotted mean annual rainfall in inches as ordinate and mean annual temperature in °C as abscissa. Then he compared between climatic types of different parts of the world. Critical values of rainfall and temperature were recorded by him to indicate the meteorological conditions.

Climographs have been used for the understanding the relation between climate and human activities also. Lullin, Taylor used climographs to indicate the influence of climate on human activities. He even indicated the physiological effect of climate on human beings, on ordines to prepare the climographs. The mean monthly values of the abscissa and wet-bulb temperature, on ordines to prepare the climographs. On the left corners of the frame indicating the vertical and horizontal scale in the climograph. On the left corners of the frame indicating the vertical and horizontal scale in the climograph. On the left corners of the frame indicating the vertical and horizontal scale in the climograph. On the left corners of the frame indicating the vertical and horizontal scale in the climograph.

Sib Sankar Roy

Field report already korcho. Ekbal dekhe nio. Final sheet korte hobe na.

4:13 pm ✓

Data analysis

The term analysis refers to the computation of certain measures along with searching for patterns of relationship that exist among data-groups.

Analysis may be categorized as follows:

- 1) Descriptive Analysis: This is largely the study of distributions of one variable. This study provides us with profiles of companies, work groups, persons and other subjects on any of a multiple of characteristics such as size.
- 2) Inferential Analysis: This is concerned with the various tests of significance for testing hypotheses in order to determine with what reliability data can be said to indicate some conclusion or conclusions.
- 3) Correlative Analysis: This analysis studies the joint variation of two or more variables for determining the amount of correlation between two or more variables.
- 4) Causal Analysis: This is concerned with the study of how one or more variables affect changes in another variable. This analysis can be termed as regression analysis.
- 5) Multivariate Analysis: It may be defined as "all statistical methods which simultaneously analyze more than two variables on a sample of observations". This is categorized as follows:
 - (i) Multiple Regression Analysis: This is adopted when the researcher has one dependent variable which is presumed to be a function of two or more independent variables.
 - (ii) Multiple discriminant Analysis: This

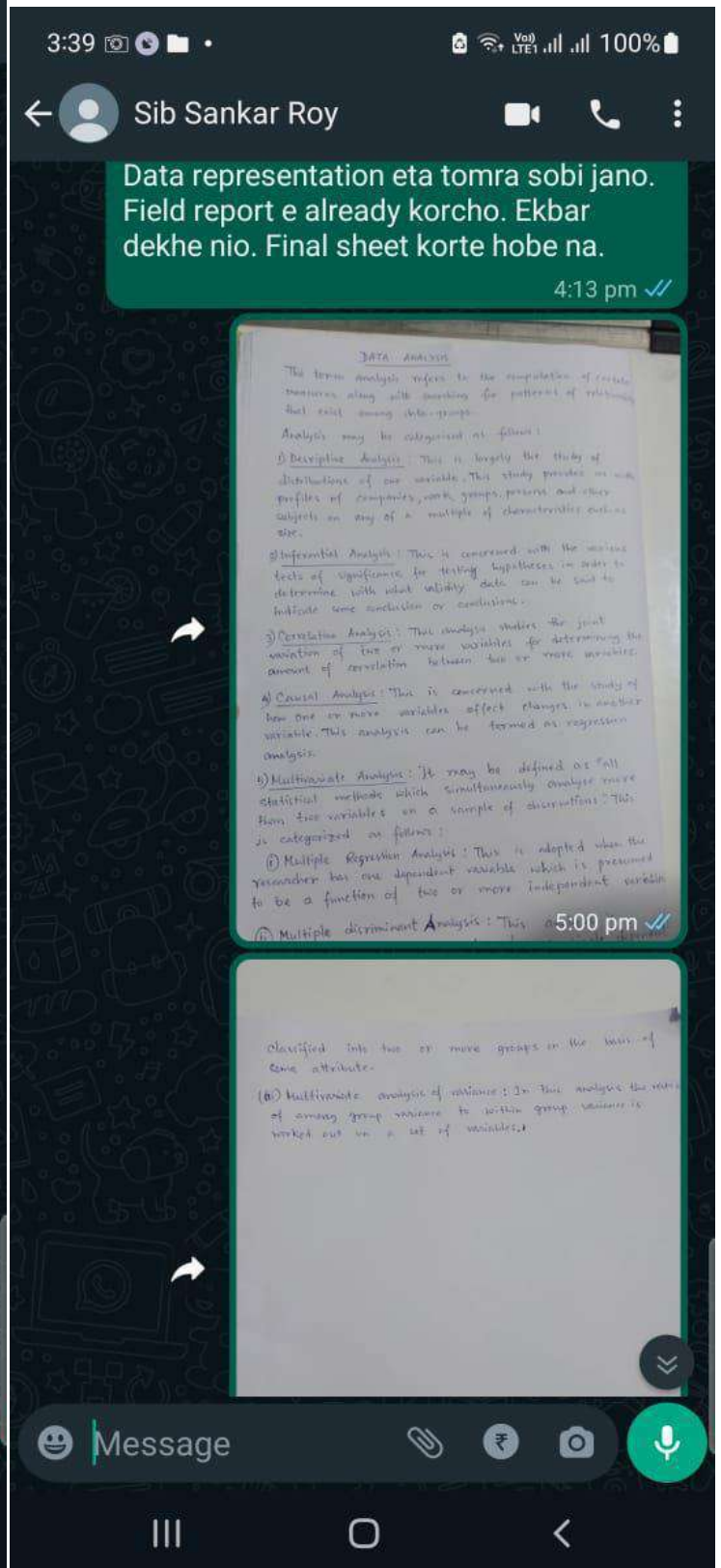
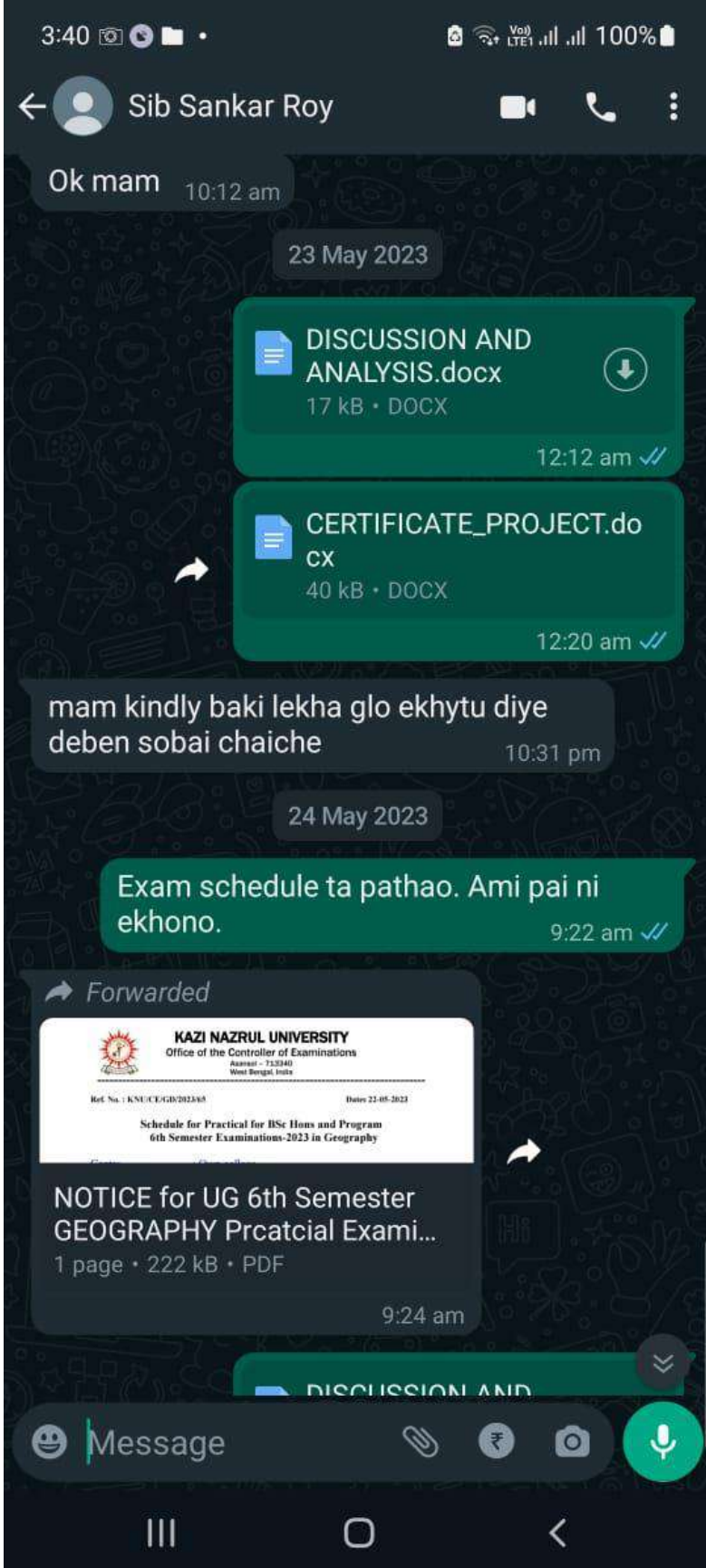
5:00 pm ✓

classified into two or more groups on the basis of some attribute.

- (iii) Multivariate analysis of variance: In this analysis the ratio of among group variance to within group variance is worked out on a set of variables.

Message





EVIDENCE OF OFFLINE ICT CLASSES, DEPARTMENT OF GEOGRAPHY

POWER POINT PRESENTATION BY DR CHANDANA SINGHA

← | [Icons: Home, Comment, Search, Share, More] | 1

FUNCTIONAL CLASSIFICATION OF INDIAN TOWNS

DR CHANDANA SINGHA
HEAD
DEPARTMENT OF GEOGRAPHY
B.B. COLLEGE

INTRODUCTION

- Cities may be classified on the basis of the types of economic activity carried on within the city. Certain economic activities have acquired greater significance than others.
- The presence of an iron and steel industry and textile industry lends a certain name and character to the city. Some cities are known for their administrative status as state or district capitals.
- The range of economic activities in a city covers the entire spectrum of primary, secondary and tertiary activities.
- In the Indian context, primary activities are very much apart of the urban scene, as nearly a third of India's urban places have agriculture as relatively the most dominant economic activity.
- The classification of cities based on the relative importance of primary, secondary and tertiary activities.
- Cities show a remarkable degree of specialization in one or more specific activities, such as trade, transport, house hold industry, modern industry, public administration and so on.

According to the 1961 & 1971 censuses, all towns and cities are provided for 9 industrial categories of workers.
This classification of workers closely corresponds to the Standard Industrial Classification of workers at the first digit level.

- The categories are:
 1. Cultivation
 2. Agricultural labour

[Icons: Comment, Highlight, Draw, Text, Fill & Sign, More tools]

||| ○ <

TYPES AND PATTERNS OF RURAL SETTLEMENT

By
Dr. Chandana Singha
Head
Department of Geography
B.B. College

CONTENTS

1. DEFINITION OF RURAL SETTLEMENT
2. TYPES OF RURAL SETTLEMENT
3. PATTERNS OF RURAL SETTLEMENT

RURAL SETTLEMENT

DEFINITION vary from country to country

General Characteristics

- Primary activities
- Per capita income
- Landuse
- Landscape
- Population density
- In due course time----→ urban settlement

FUNCTIONAL CLASSIFICATION OF TOWNS

Dr Chandana Singha
Asst Prof. and Head
Department of Geography

INTRODUCTION

- Every city performs more than one function
- First attempt was made in 1840
- Categories based on observations by empirical way:
 - **METROPOLIS**
 - **MANUFACTURING TOWNS**
 - **POPULOUS SEAPORT TOWNS**
 - **GREAT WATERING PLACES**
 - **COUNTRY AND OTHER CONSIDERABLE INLAND TOWNS**

- An attempt has been made to put forward **various classifications adopted** by scholars all over the world on the basis of the function of an urban place.
- **A. Arousseau's Attempt**
- In 1921, **M. Arousseau** classified towns into **six classes with twenty-eight subtypes**. The six classes were
 - **administrative,**
 - **defense,**
 - **culture,**
 - **production-towns,**
 - **communication, and**
 - **recreation.**

A) M. Arousseau's Attempt

TABLE: NON-QUANTITATIVE CATEGORIZATION OF URBAN CENTRES:

Class	Urban Groups	Subtypes according to dominant function
I	Administration	a) capital cities ; b) revenue towns

FUNCTIONAL CLASSIFICATION OF TOWNS

Dr Chandana Singh
Asst Prof. and Head
Department of Geography

INTRODUCTION

- Every city performs more than one function
- First attempt was made in 1840
- Categories based on observations by empirical way:
 - **METROPOLIS**
 - **MANUFACTURING TOWNS**
 - **POPULOUS SEAPORT TOWNS**
 - **GREAT WATERING PLACES**
 - **COUNTRY AND OTHER CONSIDERABLE INLAND TOWNS**

- An attempt has been made to put forward **various classifications adopted** by scholars all over the world on the basis of the function of an urban place.
- **A. Aurousseau's Attempt**
- In 1921, **M. Aurousseau** classified towns into **six classes with twenty-eight subtypes**. The six classes were
 - **administrative,**
 - **defense,**
 - **culture,**
 - **production-towns,**
 - **communication, and**
 - **recreation.**

CARTOGRAPHIC OVERLAYS

Integrating two or more different thematic map layers of the same geographic area is a common operation in GIS analysis. The technique of map overlay has many applications, such as for visual comparison by overlaying a map showing only hospitals on a road network map, to answer the query that 'where are the hospitals located?' This technique is also used for the overlay of vector data on a raster background image, which is a topographic map.

Here we have to create overlay manually on topographical map. Therefore, we have ~~took~~ taken a particular spatial unit and overlay different features on contract them. There are two method of overlay —

- ↳ Vector Overlay
- ↳ Raster Overlay

↳ VECTOR OVERLAY :

194 Remote Sensing and Geographical Information System

Vector Overlay
In a vector-based system, the analysis is based on a polygon intersection algorithm in which new polygons are created as needed, and redundant boundaries are eliminated (Fig. 10.7). Vector map overlay relies heavily on the two associated disciplines of geometry and topology. The data layers being overlaid need to be topologically correct boundaries so that the lines meet at nodes and polygon boundaries are closed. To create topology for a new data layer produced as a result of the overlay process, the intersection of lines and polygons from the input layers need to be calculated using geometry.

Fig. 10.7 Merging and redefinition of features.

- There are three main types of vector overlay (Fig. 10.8), which are
 - (i) point-in-polygon,
 - (ii) line-in-polygon, and
 - (iii) polygon-on-polygon.

Point-in-polygon
When it is desired to locate a point with respect to polygons, i.e., in which polygon a point lies, point-in polygon overlay is used. Fig. 10.8a shows two data layers containing wells as points and soil types as polygons. The point-in-polygon overlay on these layers results as output layer indicating that in which soil category the wells lie. This information is given as an output map of a new set of wells created with additional attributes describing the soil type.

Line-in-polygon

Chandana Singha, bb college

DATA REPRESENTATION TECHNIQUES

Semester-V

Dr. Chandana Singha, BB College, Asansol

The information collected on the specific characteristics of each subjects or groups is known as data. For a better presentation of data and also to hide the data from other persons the concept of data representation is used. There are three methods for data representation:

- Tabular form
- Diagrammatic representation
- Data Summary.

FREQUENCY

The no. of times a particular value or a set of values occurs in a data is known as frequency for that value/set of values. Example: No. of male persons in data will call as frequency of male. Frequency of illiterate person in the data.

FREQUENCY TABLE is this type of table the two (or three) columns will be shown. First column shows the value of the measurement. Second column shows the frequency of the value. The third one shows the % of the data covered by that value.

EXAMPLE (QUANTITATIVE DATA)

Education	Frequency	Percentage
Illiterate	25	12.5
Primary	35	17.5
High School	75	37.5
Inter	50	25
Higher than Inter	15	7.5

Chandana Singha

Chandana Singha, bb college

CONTINGENCY TABLES

If data is categories into two ways then contingency tables are used. In this table rows represents the first way of categorization and column represents the other way of categorization. The cells shows the frequencies.

EXAMPLE

Educational Status	Sex	
	Male	Female
Illiterate	50	70
Primary	35	30
High School	75	65
Inter	65	50
Higher than Inter	35	20

APPLICATION OF REMOTE SENSING IN FORESTS MONITORING

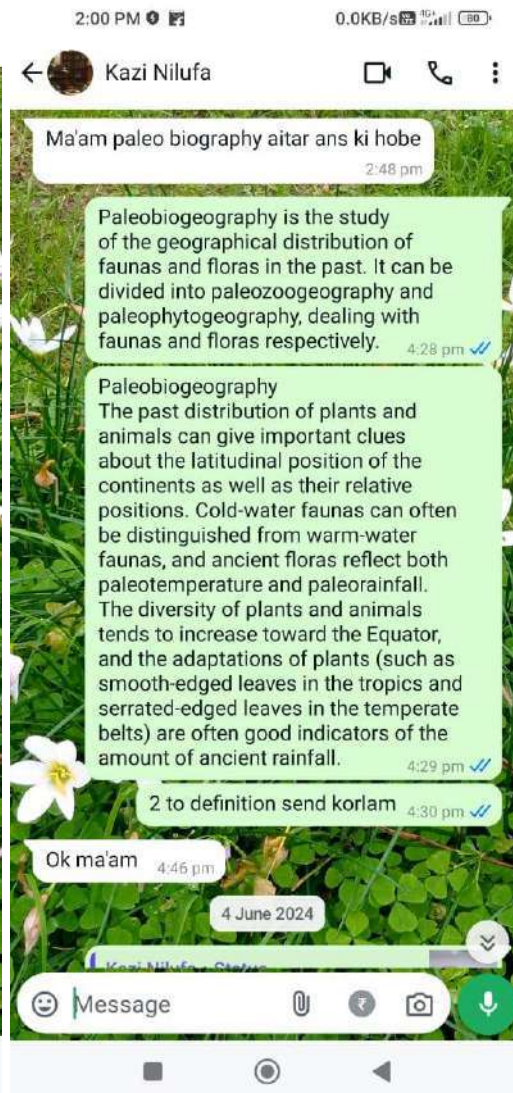
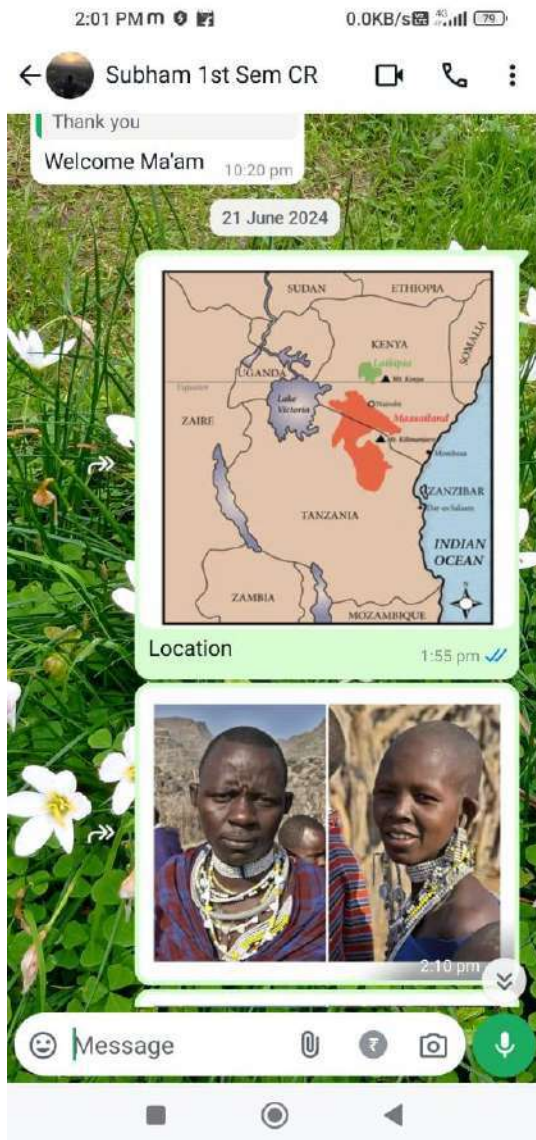
Remote sensing is the investigation, acquisition, and processing of information about an area of interest without contacting it. It has been used in environmental sciences to capture images of the Earth's surface acquired from sensors mounted in the air or space platforms. These images have been used for mapping the distribution of forest ecosystems, the 3D structure of forests, and measure the global fluctuations in plant productivity across different seasons.

Remote sensing has made it possible to consistently and repeatedly monitor forest characteristics in qualitative and quantitative ways. Such data collection and reporting are a significant factor that assists in research and development processes. It also makes it easier to integrate forestry with other agencies. Nowadays, remote sensing is applied in different areas of forest management. These are as follows:

- 1. Mapping and Monitoring Forest Cover:** The first step in efficient forest management involves accurately mapping and monitoring forest cover. Remote sensing allows for large-scale data collection over extensive forested areas, enabling precise vegetation mapping. This technology distinguishes different forest types, identifies changes in forest cover, and quantifies these changes over time. This mapping technique helps foresters make informed decisions about the management and protection of forest resources.
- 2. Forest Fire Detection and Monitoring:** Forests are often victims of wildfires, causing significant ecological and economic damage. The application of remote sensing in fire detection and monitoring has proven vital. Remote sensing satellites can detect fires even in the most remote regions, providing real-time alerts. Thermal and infrared sensors can identify fire-prone areas, aiding in the early detection and efficient management of forest fires.
- 3. Forest Inventory and Biomass Estimation:** Remote sensing technology plays a pivotal role in forest inventory and biomass estimation. It helps estimate tree heights, diameters, and volumes, contributing to the assessment of forest resources. Additionally, remote sensing data is key for estimating carbon stock, a crucial aspect of climate change studies, and formulating policies for carbon sequestration.
- 4. Forest Planning and Management:** The use of remote sensing in forest planning and management has been transformative. The wealth of information provided by these technologies allows for informed decisions about harvesting, reforestation, and overall forest management practices. It also aids in the development of strategies to minimize the impact of natural disasters, pests, and diseases, ensuring the longevity and health of our forests.
- 5. Deforestation Monitoring:** Monitoring deforestation has never been more critical due to climate change concerns. Remote sensing provides the ability to detect and quantify deforestation on a global scale. As part of the remote sensing applications in

Dr Chandana Singha, Assistant Prof., B B College

OFFLINE ICT USED BY MRS MADHUMITA MONDAL



Rimli Bank

Accha mam 27 April 2024 8:54 pm

30 April 2024

strategy of soil conservation.docx 1.3 MB • DOCX 11:50 am



11:50 am



11:50 am

You

Rimli Bank

Ok mam 9:10 pm

4 March 2023



1:08 pm

10 March 2023

Ha mam hoye jbe 9:03 pm

Baki der ekbar jiggesh kore ne 9:07 pm

Tahole 11 am theke nebo 9:07 pm

Ok mam 9:08 pm

11 May 2024

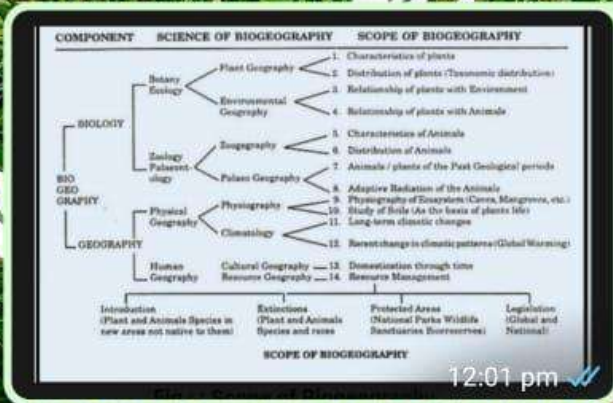
Aj ami class nite parbo na.. 9:03 am

Acha mam 9:03 am

13 May 2024

Kal 11 am theke class nebo 9:13 pm

14 May 2024



12:01 pm

15 May 2024

Aj toder class nebo na....next din nebo

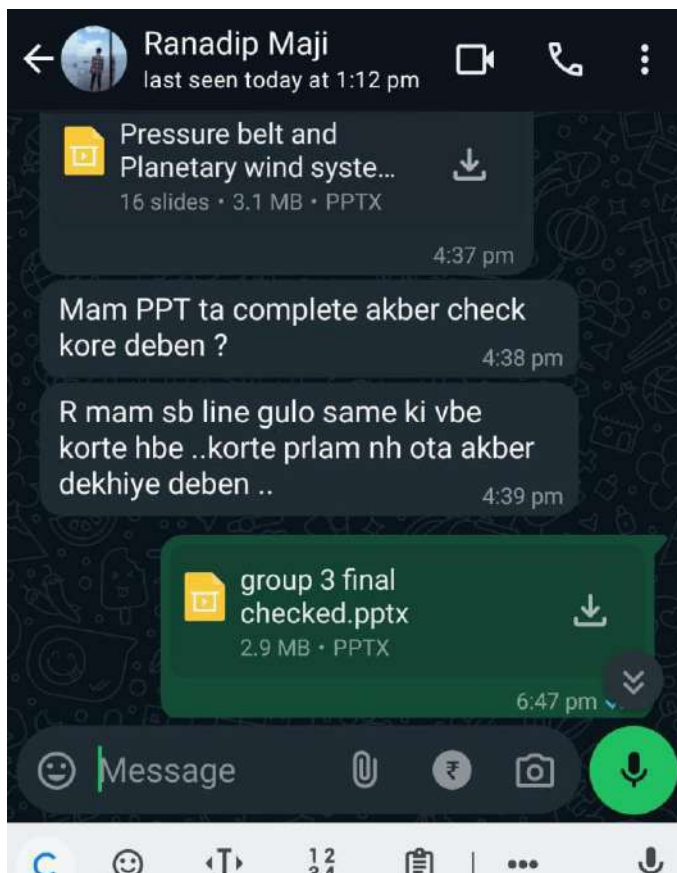
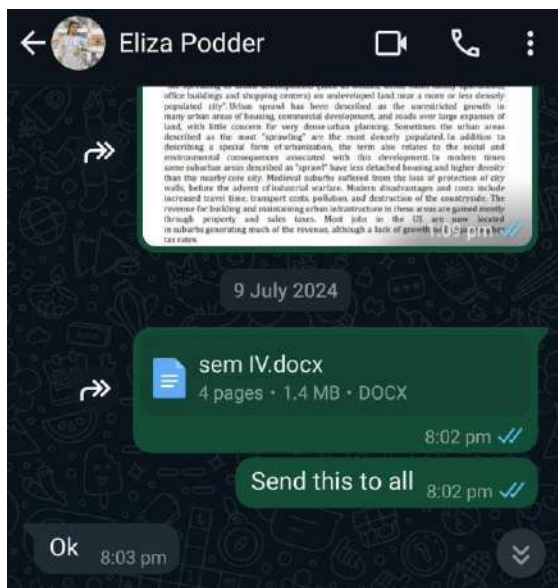
12:01 pm

Accha 12:02 pm

28 May 2024

Mam ajker class ta online to? 10:09 am

Teacher Name: Disha Sengupta, State Aided College Teacher-I





Rimli



11 March 2024

Oceansat(IRS-P4)
www.isro.gov.in



[https://www.isro.gov.in/Oceansat\(IRS_P4\).html](https://www.isro.gov.in/Oceansat(IRS_P4).html) 7:34 pm ✓✓

IRS P4 , IRS P5 7:34 pm ✓✓

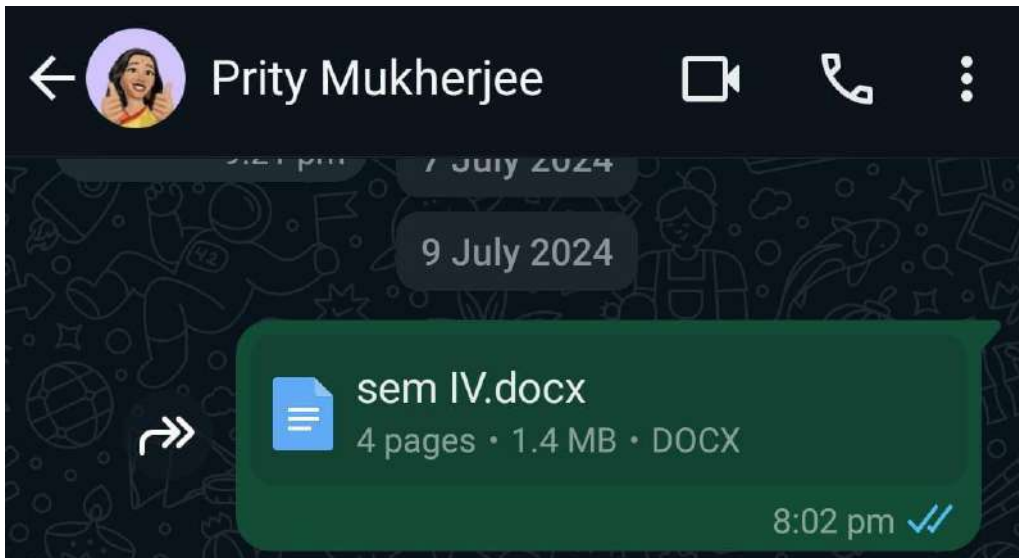
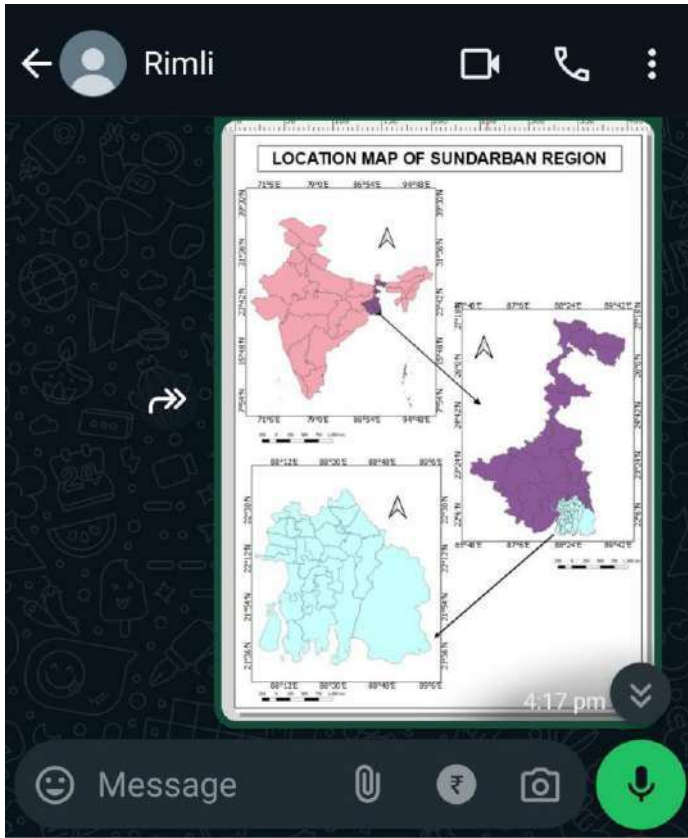
Oceansat 7:34 pm ✓✓

Cartosat 7:34 pm ✓✓

Resourcesat 7:34 pm ✓✓

https://en.m.wikipedia.org/wiki/Indian_Remote_Sensing_Programme 7:37 pm ✓✓


<https://www.isro.gov.in/EarthObservationSatellites.html> 7:37 pm ✓✓



ICT Classes offline (Supporting Documents)






 **GPS Map Camera**



Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India
Lat 23.681757°
Long 86.996406°
21/02/24 12:19 PM GMT +05:30



 **GPS Map Camera**

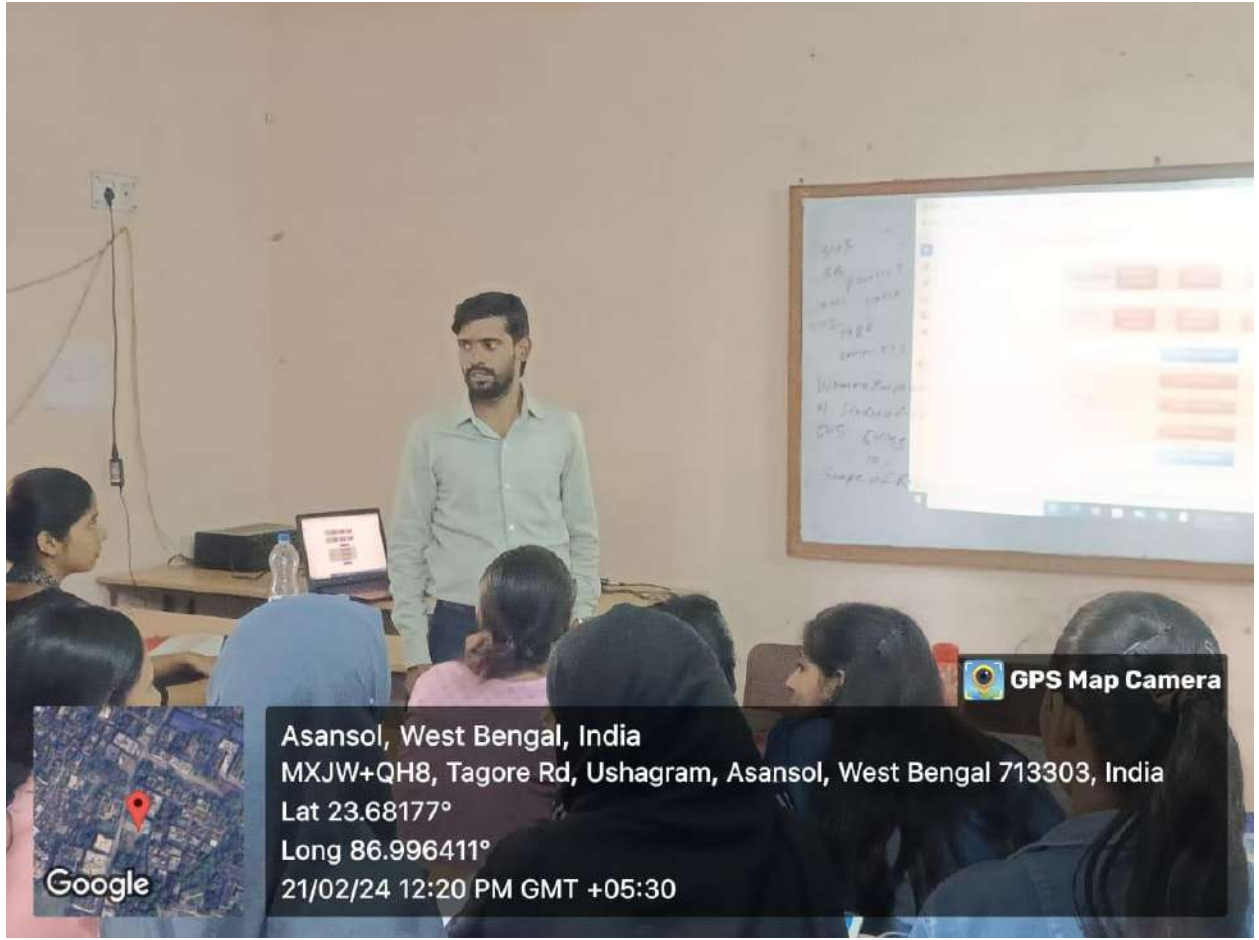


Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India
Lat 23.681741°
Long 86.996312°
20/02/24 12:40 PM GMT +05:30



Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India
Lat 23.681777°
Long 86.99638°
20/02/24 12:40 PM GMT +05:30

GPS Map Camera



Asansol, West Bengal, India
MXJW+QH8, Tagore Rd, Ushagram, Asansol, West Bengal 713303, India
Lat 23.68177°
Long 86.996411°
21/02/24 12:20 PM GMT +05:30

Google

GPS Map Camera

April 23, 2024

+91 85093 35221 joined using this group's invite link

May 9, 2024

+91 97491 95064 left

May 20, 2024



May 28, 2024

Room no 9 me class ho rha hai Pol sc ka

11:08 AM ✓✓

May 29, 2024



3rd Sem Pol Sc Hons 4Yr Mi...
only admins can send messages

%20social%20sciences,FID-2012301-9#:~:text=Monistic%20Theory%20of%20Sovereignty%3A&text=The%20first%20theory%20which%20exerted,maker%20and%20master%20of%20them.

10:39 AM

Pawan Gurung s

Feminist political theory - Wikipedia
en.wikipedia.org

https://en.wikipedia.org/wiki/Feminist_political_theory#:~:text=Its%20primary%20focus%20is%20to,feminist%20institutions%20and%20political%20analyses.

10:46 AM

Pawan Gurung s

This message was deleted

10:46 AM

Pawan Gurung s

This message was deleted

10:46 AM

December 13, 2023

Handwritten notes in Hindi on lined paper, titled 'classmate'. The text discusses political theory concepts. Below the notes, a PDF document is attached with the title 'DOC-20220121-WA0000.' and details '3 pages • 3.2 MB • PDF'. The time '1:59 PM' is visible at the bottom right of the document preview.

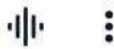
Message [Attachment icons: gallery, currency, camera, voice recording]





3rd Sem Pol Sc Hons 4Yr Mi...

only admins can send messages



November 2, 2023

Forwarded



Nozicknotes.pdf.pdf

7 pages • 13 MB • PDF

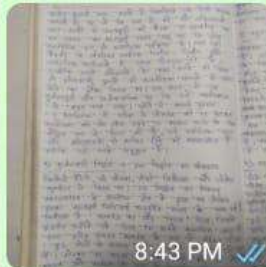
10:25 AM

November 6, 2023

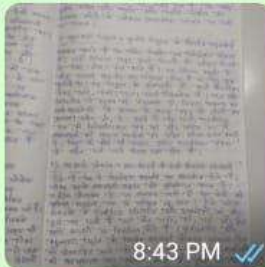
2nd floor ke first room me class hoga av

11:13 AM

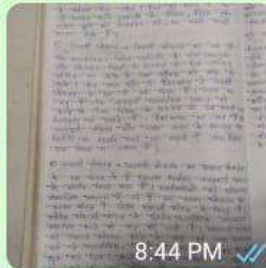
Forwarded



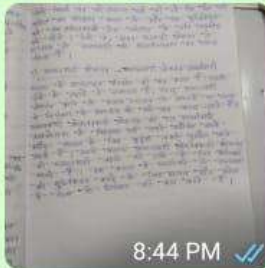
8:43 PM



8:43 PM



8:44 PM



8:44 PM

November 23, 2023

Message





Passed Out Batch 21-22
only admins can send messages



September 18, 2023



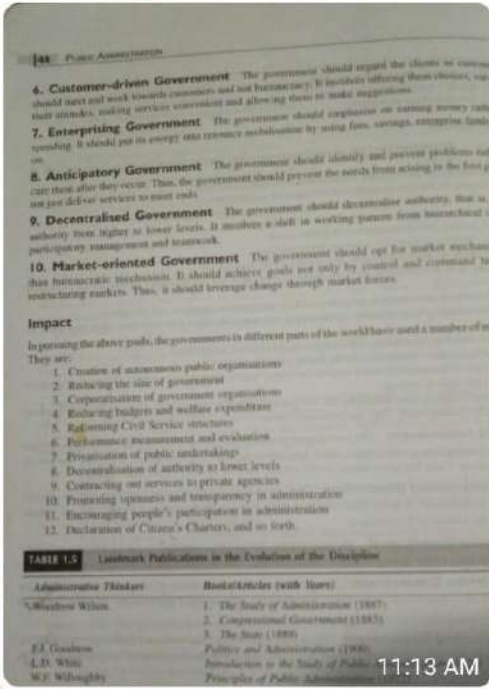
Pawan Gurung s

Wednesday ko 1 bajey se social movements ka class hoga attend kijiyege. Notes likhwa rahe hein. Kal nahi hoga

10:20 AM

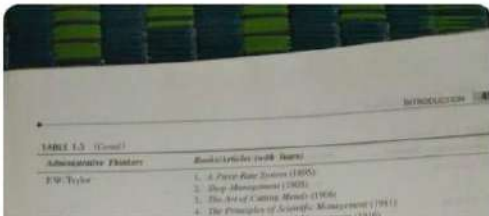


Queen sinha



11:13 AM

Queen sinha



Message





Passed Out Batch 21-22
only admins can send messages



September 4, 2023



Queen sinha



3:16 PM



3:17 PM



3:17 PM



3:17 PM

September 5, 2023



Queen sinha

Web Image - 10:23

BANWARILAL BHALOTIA COLLEGE, ASANSOL

NOTICE

Date: 04.09.2023

It is hereby notified to all concerns (Teaching, Non-Teaching & Student) that all the classes will be suspended from 11:30 am (onwards) (05.09.2023, Tuesday) on account of celebration of Teacher's day by the Students of our college. All are cordially invited to attend the ceremony.

Teachers day.pdf
1 page • 36 kB • PDF

10:24 AM



Goutam ~❤️

Happy teacher's day to all my ma'am and sir 🧡🙏🍰🍰
A TEACHER'S DAY POEM



Message





Passed Out Batch 21-22

only admins can send messages



April 3, 2024

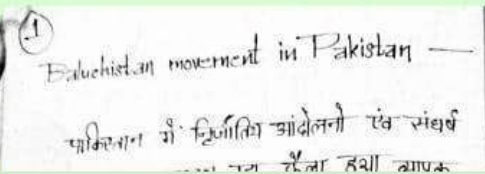


null.pdf

5 pages • 1.4 MB • PDF

1:20 PM ✓

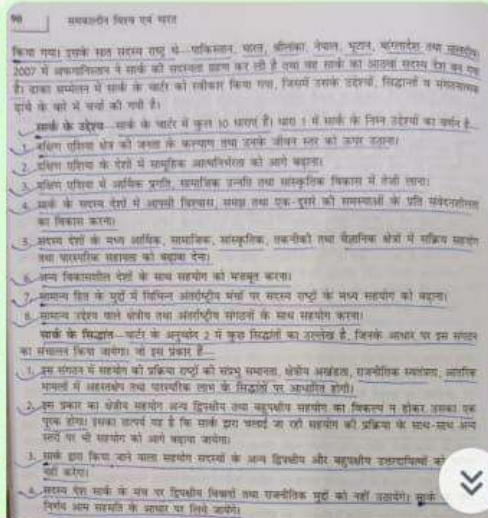
Forwarded



Baluchistan Movement
05-Jun-2023 12-25-24.pdf

7 pages • 4.9 MB • PDF

1:20 PM ✓



Message





5TH SEM Pol.Sc Hons2022

only admins can send messages

for eye no : NONE start room main do tab

11:05 AM

September 11, 2023



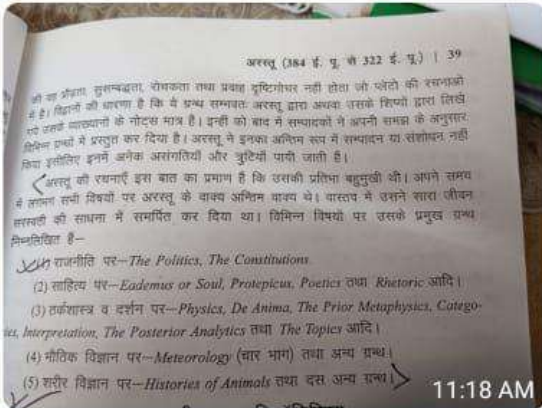
Piyali Banerjee

Students class will be on normal time,plz inform when u come.I am in the staffroom.

10:36 AM

Piyali Banerjee

Forwarded



11:18 AM

Piyali Banerjee

Forwarded



5th sem. polsc. prog. SHORT QUESTIONS.pdf



5 pages • 30 MB • PDF

8:03 PM

September 12 2023



Message



September 26, 2023

Piyali Banerjee
Class will be on normal time room no 4
10:09 AM

Piyali Banerjee
in countries that were never subject to Roman rule. To take the most striking example, in a large part of Germany, until the adoption of a common code for the whole empire in 1900, the Roman law was in force as "subsidiary law"; that is, it was applied unless excluded by contrary local provisions. This law, however, which was in force in parts of Europe long after the fall of the Roman Empire, was not the Roman law in its original form. Although

Development of the jus civile and jus gentium
In the great span of time during which the Roman Republic and Empire existed, there were many phases of legalistic development. During the period of the republic (753-31 BC), the ius civile (civil law) developed. Based on custom or legislation, it applied exclusively to Roman citizens. By the middle of the 3rd century BC, however, another type of law, ius gentium (law of nations)

ere three important principles of law? s the importance of Roman law

ere three important principles of Roman times, **Roman law became the** accused person was presumed innocent. **al Western European law codes** proven guilty. Secondly, The accused **y those of France (Napoleonic C** had to face the accuser and offer a defence. **and Germany.** In turn, these codes **d many other countries such as** the charge. Lastly, guilt had to be **pan, and even the** proved "clearer than daylight," using some **ce.**

Plz come to staffroom 11:17 AM

Write a note on ciceros conception of law. 11:17 AM



DocScanner Sep 26, 2023
11-30 AM.pdf
2 pages • 1.9 MB • PDF



Passed Out Batch 21-22
only admins can send messages



December 7, 2023



~ Priyanka Nonia +91 84360 47951

This message was deleted

10:49 AM



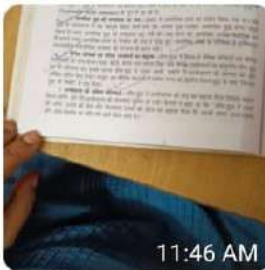
Piyali Banerjee

Plz come to the staffroom and meet me

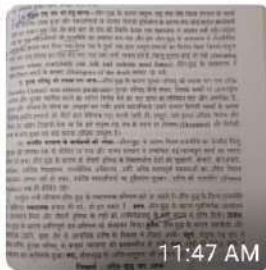
11:42 AM



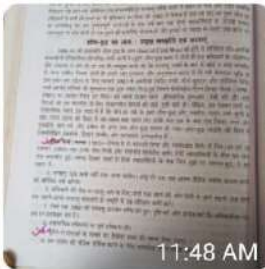
Piyali Banerjee



11:46 AM



11:47 AM



11:48 AM



Piyali Banerjee



Détente - Definition, Policy & Cold War | HISTORY

Détente (a French word meaning r...
www-history-com.translate.goog

https://www-history-com.translate.goog/topics/cold-war/detente?_x_tr_sl=en&_x_tr_tl=hi&_x_tr_hl=hi&_x_tr



Message





Piyali Banerjee March 11, 2024

states have a preponderance of power. Bipolarity, spheres of influence and alliance systems have frequently developed around each pole. For example, in the Cold War of 1947-1991, most Western and capitalist states would fall under the influence of the US, while most Communist states would fall under the influence of the USSR. According to Wohlfarth and Brooks, 'the world was undeniably bipolar' during the Cold War.^[1]

Historic examples of bipolarity include Great Britain and France in 18th century from the end of the War of the Spanish Succession (1701-1715) until the Seven Years' War (1756-1763) and the United States and the Soviet Union during the Cold War.^[2]

Unipolarity

Unipolarity is a condition in which one state under the condition of international anarchy enjoys a preponderance of power and faces no competitor states.^[10] According to William Wohlfarth, "a unipolar system is one in which a counterbalance is impossible. When a counterbalance becomes possible, the system is not unipolar."^[11] A unipolar state is not the same as an empire or a hegemon that can control the behavior of all other states.^{[10][12][13]}

Unipolarity is a system of three powers, bipolarity is a system of two powers, and unipolarity (monopoly) is a system with one dominant power. Changes in the distribution of power constitute important events in history and determine the structure of the international system.



Plz forward me the short questions of today

March 13, 2024



Piyali Banerjee
Students I am busy with official work. Provide me with your attendance, in the Dept Staffroom. If you have any issues you can meet me in the Dept.

2 mnt wait kijiye

Forwarded

Notice

It is hereby informed to all concerned that Electoral Literacy Club, Banwarilal Bhaloti



Message



6:09

5G 60%



5TH SEM Pol.Sc Hons2022

only admins can send messages



April 25, 2024



Queen sinha

Ki jaisa routine main h waisa class
hoga

8:16 PM

Link bhej dungii

8:16 PM

Queen sinha



Meet

Real-time meetings by Google. Use...
meet.google.com

To join the meeting on Google Meet,
click this link:

<https://meet.google.com/dbh-mnzg-idf>

Or open Meet and enter this code:
dbh-mnzg-idf

8:33 PM

April 27, 2024

You added Khaton and Kumar Manish



Queen sinha

Queen sinha

To join the meeting on Google
Meet, click this link:

<https://meet.google.com/dbh-mnzg-idf>



Join kijiye

10:28 AM

Jldi join kijiye jo log actually class
hone par class karte ho

10:31 AM



Message



6:09

5G 60%



5TH SEM Pol.Sc Hons2022

only admins can send messages



April 30, 2024



Queen sinha

Queen sinha

To join the meeting on Google Meet, click this link:
<https://meet.google.com/dbh-m...>



KI 12 se class hoga

11:44 AM

May 1, 2024



Queen sinha

class 12 se nehi balki aur age hoga

9:29 AM

main msgs karte hi join kariyega

9:29 AM

10:45

9:29 AM

join akro

10:50 AM

5 min ho gaya mera join ki hu

10:50 AM

May 2, 2024

+91 90831 12010 joined using this group's invite link

May 3, 2024

Forwarded

Notice

It is hereby informed to all concerned that the college will remain close from 4th May due to occupation of college by central force for ensuring lok sahha



Message



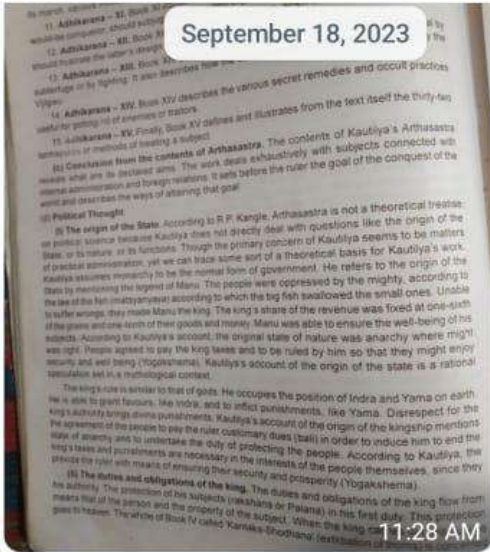
6:05

5G 61%

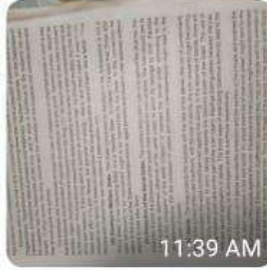
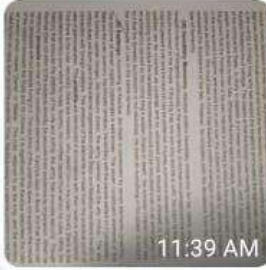
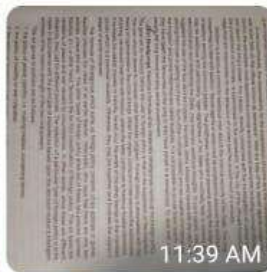
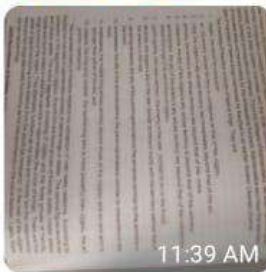


5TH SEM Pol.Sc Hons2022

only admins can send messages



Queen sinha



Asad aapke liye bhej di 11:45 AM

Saptanga Theory aur bhi de rahi hu 11:45 AM

Message





5TH SEM Pol.Sc Hons2022

only admins can send messages



October 6, 2023

Room no 4 me class ho rha hai 11:15 AM ✓

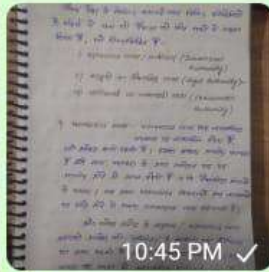
You

Photo

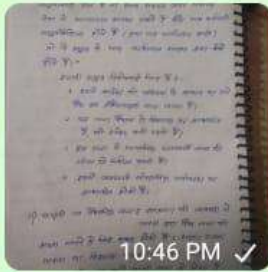


Is competition me participate karne ke liye aap apna naam aur contact no send kijiye mujhe av 1:16 PM ✓

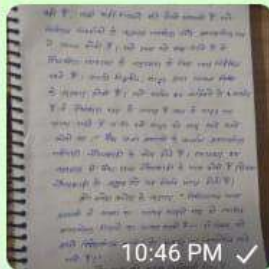
Forwarded



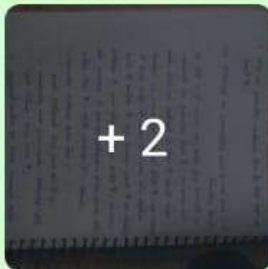
10:45 PM ✓



10:46 PM ✓



10:46 PM ✓



+2



10:50 PM ✓



10:51 PM ✓

Message



September 26, 2023

Piyali Banerjee
Class will be on normal time room no 4
10:09 AM

Piyali Banerjee
in countries that were never subject to Roman rule. To take the most striking example, in a large part of Germany, until the adoption of a common code for the whole empire in 1900, the Roman law was in force as "subsidiary law"; that is, it was applied unless excluded by contrary local provisions. This law, however, which was in force in parts of Europe long after the fall of the Roman Empire, was not the Roman law in its original form. Although

Development of the jus civile and jus gentium
In the great span of time during which the Roman Republic and Empire existed, there were many phases of legalistic development. During the period of the republic (753-31 BC), the ius civile (civil law) developed. Based on custom or legislation, it applied exclusively to Roman citizens. By the middle of the 3rd century BC, however, another type of law, ius gentium (law of nations)

ere three important principles of law? s the importance of Roman law

ere three important principles of Roman law? First, the accused person was presumed innocent until proven guilty. Secondly, The accused had to face the accuser and offer a defense to the charge. Lastly, guilt had to be proved "clearer than daylight", using so

Plz come to staffroom 11:17 AM

Write a note on ciceros conception of law.
11:17 AM



DocScanner Sep 26, 2023
11-30 AM.pdf
2 pages • 1.9 MB • PDF



5TH SEM Pol.Sc Hons2022

only admins can send messages



October 6, 2023

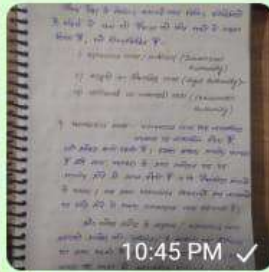
Room no 4 me class ho rha hai 11:15 AM ✓

You
Photo

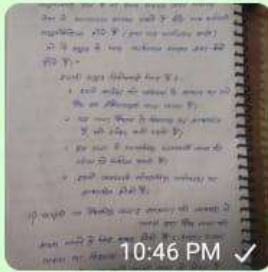


Is competition me participate karne ke liye aap apna naam aur contact no send kijiye mujhe av 1:16 PM ✓

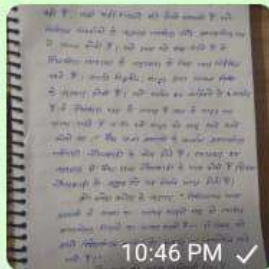
Forwarded



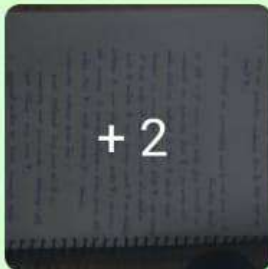
10:45 PM ✓



10:46 PM ✓



10:46 PM ✓



+2



10:50 PM ✓



10:51 PM ✓

Message





5TH SEM Pol.Sc Hons2022

only admins can send messages



November 6, 2023

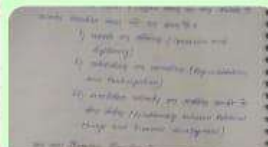
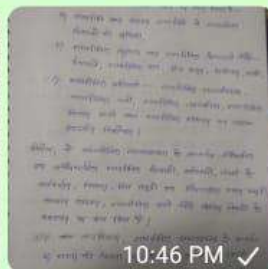
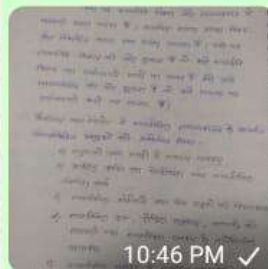
Increasing participation of the people in the democratic politics of the country is broadly characterised as democratic upsurge. Based on this principle, social scientists have characterized three democratic upsurges in post independence history of India .

The First Democratic Upsurge could be attributed from the 1950s till 1970s which was based on the participation of Indian adult voters to the democratic politics both at the centre and in states. Falsifying the western myth that the success of democracy requires modernization, urbanization, education and access to media, the successful holding of elections to both Lok Sabha and legislative assemblies all across states on the principle of parliamentary democracy were the testimony of India.s first democrati...

Read more

9:29 PM ✓

Forwarded



Message





5TH SEM Pol.Sc Hons2022

only admins can send messages



November 24, 2023



Pawan Gurung s

अखिल भारतीय विधायी अधिनियम दहेज निषेध अधिनियम,

1961 था और यह कानून 1 जुलाई 1961 से लागू हुआ। [53]

इसने दहेज उत्पीड़न के एक नए कानूनी ढांचे की शुरुआत को चिह्नित किया। दहेज मांगने, देने और लेने पर प्रभावी ढंग से रोक लगाने वाले कानून। हालाँकि दहेज देना गैरकानूनी है, फिर भी भारत के कई हिस्सों में पति द्वारा पत्नी के परिवार से दहेज मांगना आम बात है और कुछ मामलों में, इसका परिणाम पत्नी के खिलाफ जबरन वसूली और हिंसा के रूप में सामने आता है।

दहेज विरोधी कानून को और मजबूत करने और पति या उसके रिश्तेदारों द्वारा पत्नी के खिलाफ क्रूरता के अपराधों को रोकने के लिए, भारतीय आपराधिक कानून में नए प्रावधान जोड़े गए - भारतीय दंड संहिता की धारा 498ए [7] और आपराधिक प्रक्रिया की धारा 198 ए। 1983 में संहिता। 2005 में, घरेलू हिंसा से महिलाओं का संरक्षण अधिनियम पारित किया गया, जिसमें दहेज उत्पीड़न से सुरक्षा की एक अतिरिक्त परत जोड़ी गई। यद्यपि भारतीय आपराधिक कानून में बदलाव दहेज-संबंधी अपराधों को समाप्त करने के लिए विधायकों द्वारा किए गए गंभीर प्रयास को दर्शाते हैं, और हालाँकि वे अब कई वर्षों से प्रभावी हैं, लेकिन अप्रभावी होने के कारण उनकी बड़े पैमाने पर आलोचना की गई है। [11]

Sec paper Laws relating to Dowry

9:46 AM

Pawan Gurung s

अधिनियम में दहेज को विवाह के संबंध में दी गई या देने के लिए सहमत किसी भी संपत्ति या मूल्यवान सुरक्षा के रूप में परिभाषित किया गया है। [56] दहेज लेने या देने का दंड उन उपहारों के मामले में लागू नहीं होता है जो शादी के समय बिना किसी मांग के दिए जाते हैं। [57]

अधिनियम प्रत्यक्ष या अप्रत्यक्ष रूप से दहेज की मांग करने पर दंड का प्रावधान करता है और इसमें कम से कम 6 महीने की जेल की सजा और 10,000 रुपये के जुर्माने के साथ दो साल तक की सजा का प्रावधान है। दहेज समझौते शुरू से ही अमान्य हैं और यदि कोई दहेज महिला के अलावा किसी अन्य द्वारा प्राप्त किया जाता है, तो इसे महिला को हस्तांतरित किया जाना चाहिए। [58]



Message



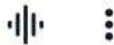
6:10

5G 59%



3rd Sem Pol.Sc. Major 3Year...

only admins can send messages



September 14, 2023



Pawan Gurung s



Normative & Empirical Scientific Theory | Approaches to the Study of Political B...

Approaches to the Study of Political Theory | N...
www.youtube.com

Normative and Empirical Theory

https://www.youtube.com/live/uEpNM_L3TNY?feature=shared

12:42 PM

+91 81164 20507 joined using this group's invite link

September 15, 2023



Pawan Gurung s

Aap log staff room mein inform kare
mein staff room mein betha hoon

10:12 AM

+91 80010 01498 joined using this group's invite link

+91 96415 23552 joined using this group's invite link

+91 85090 76866 joined using this group's invite link



Message



6:10

5G 59%



3rd Sem Pol.Sc. Major 3Year...

only admins can send messages



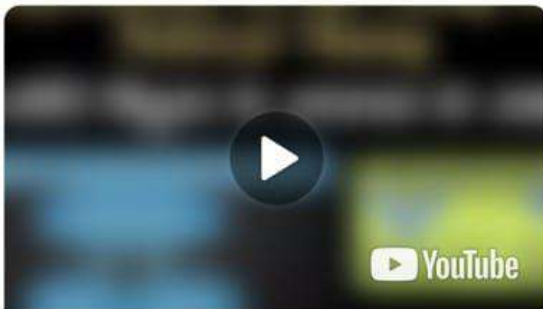
September 1, 2023

+91 62946 74533 joined using this group's invite link

+91 95315 37052 joined using this group's invite link



Pawan Gurung s



Normative & Empirical Scientific Theory | Approaches to the Study of Political B...
Approaches to the Study of Political Theory | N...
www.youtube.com

Normative and Empirical Theory

https://www.youtube.com/live/uEpNM_L3TNY?feature=shared

3:23 PM

September 4, 2023

+91 81673 46272 joined using this group's invite link

+91 89278 63909 joined using this group's invite link

September 6, 2023

Forwarded



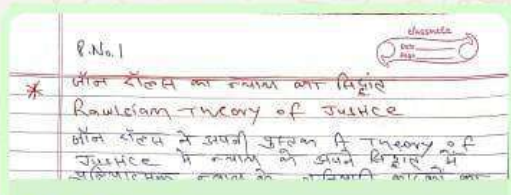
Message



September 20, 2023

Room no 4 me class ho rha hai 10:14 AM ✓

+91 99078 47687 joined using this group's invite link



null.pdf
4 pages • 4.8 MB • PDF

7:44 PM ✓

September 21, 2023

+91 90028 08817 joined using this group's invite link

+91 73187 50027 joined using this group's invite link

+91 96411 33293 joined using this group's invite link

September 22, 2023

Room no 5 me class hoga 12:04 PM ✓



Pawan Gurung s

Adobe Acrobat - Chess Tournament Notice.pdf

View this file, and add comments too.
acrobat.adobe.com

agar aap log chess tournament mein participate karna chahtey hey toh is number anna naam diivenga

Message



3rd Sem Pol.Sc. Major 3Year...
only admins can send messages

Notice.pdf September 22, 2023
View this file, and add comments too.
acrobat.adobe.com

agar aap log chess tournament mein
participate karna chahtey hey toh is
number apna naam dijiyega
6297595501
[https://acrobat.adobe.com/id/urn:
aaaid:sc:AP:35584946-966d-4662-b5db
-6c7bf4315434](https://acrobat.adobe.com/id/urn:aaaid:sc:AP:35584946-966d-4662-b5db-6c7bf4315434)

12:38 PM

Pawan Gurung s



12:39 PM

Pawan Gurung s



12:42 PM

Pawan Gurung s


This message was deleted

12:43 PM

Message [Attachment icons: gallery, currency, camera, voice]

6:14

5G 59%

←  3rd Sem Pol.Sc. Major 3Year...
only admins can send messages

May 16, 2024



Pawan Gurung s

11:30 पे क्लास होगा 10:51 AM

11:45 पे होगा क्लास 11:18 AM

11:45 पे होगा क्लास 11:18 AM

Pawan Gurung s



Meet

Real-time meetings by Google. Use...
meet.google.com

To join the meeting on Google Meet,
click this link:

<https://meet.google.com/vok-snht-fzg>

Or open Meet and enter this code:
vok-snht-fzg 11:52 AM

Pawan Gurung s



Karl Marx's Class Conflict
Theory | Overview & Commu...
Learn about class conflict in the c...
study.com

<https://study.com/academy/lesson/karl-marxs-theory-of-class-conflict.html#:~:text=What%20is%20Marx's%20theory%20of,of%20the%20proletariat%20or%20bourgeoisie.> 5:33 PM

May 18, 2024

Message



6:15

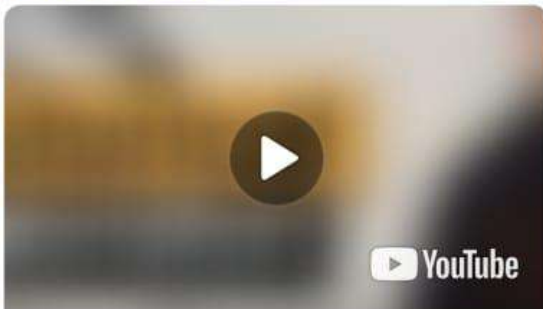
5G 58%

3rd Sem Pol. Sc. 4Year Major...
only admins can send messages

May 9, 2024



Pawan Gurung s



Marxism | ऐतिहासिक भौतिकवाद | historical
materialism Communist Manifesto in h...
youtu.be

<https://youtu.be/3X5HF005vFs?si=Qc4UxgVhysUyFvxg>

7:24 AM

May 14, 2024



Pawan Gurung s

9 baje se class suru hoga 8:29 AM

Pawan Gurung s



Meet

Real-time meetings by Google. Usi...
meet.google.com

To join the meeting on Google Meet,
click this link:
<https://meet.google.com/syp-xrrd-dvz>

Or open Meet and enter this code:
syp-xrrd-dvz

8:57 AM



Message



6:15

5G 58%

3rd Sem Pol. Sc. 4Year Major...
only admins can send messages

our Department Message. May 6, 2024 5:28 PM

May 7, 2024



Pawan Gurung s

आज क्लास होगा 3:46 p.m mein टपिक हैं
हिस्टोरिकल मेटरियालिस्म

3:25 PM

Pawan Gurung s



Meet

Real-time meetings by Google. Usi...
meet.google.com

To join the meeting on Google Meet,
click this link:

<https://meet.google.com/vqn-qosy-tcy>

Or open Meet and enter this code:

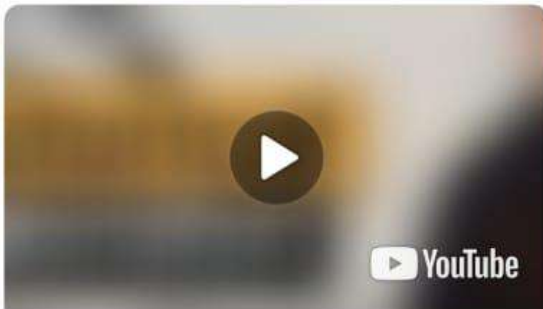
vqn-qosy-tcy

3:39 PM

May 9, 2024



Pawan Gurung s



Marxism | ऐतिहासिक भौतिकवाद | historical
materialism Communist Manifesto in h...
youtu.be

Message



6:16

5G 58%



3rd Sem Pol. Sc. 4Year Major...

only admins can send messages



April 18, 2024



Pawan Gurung s

Dialectical materialism - Wikipedia

en.m.wikipedia.org

https://en.m.wikipedia.org/wiki/Dialectical_materialism

10:26 AM

You

📎 null.pdf (14 pages)

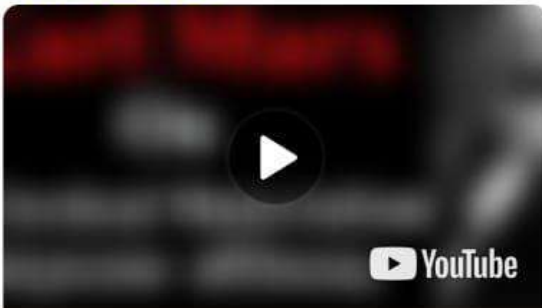
@Pawan Gurung s This one 🙏

11:24 AM ✓✓

April 19, 2024



Pawan Gurung s



Karl Marx: Dialectical Materialism:
Historical Materialism : Materialist Con...

youtu.be

https://youtu.be/y2kyJk4c0So?si=plv_XUqX6Y6Ri_zf

8:53 AM

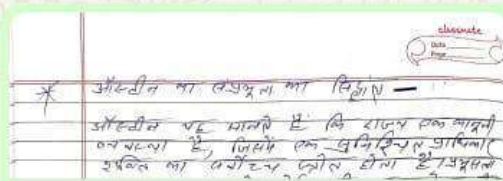


Message



December 13, 2023

+91 93829 09193 joined using this group's invite link



DOC-20220121-WA0000.

3 pages • 3.2 MB • PDF

1:55 PM ✓✓

December 14, 2023

+91 89184 49345 joined using this group's invite link

Jinko scholarship ka department se verification karwana hai wo room no 09 me aakar Kara sakte hai second floor

12:31 PM ✓✓

Forwarded

Urgent Notice

It is hereby informed to our students that registration on academic Bank of credit portal (ABC) is mandatory for all the students to appear in the University examination. Those who have failed to register themselves on ABC portal due to non-linking up their Aadhar with mobile number, for them the College authority will arrange a special drive for linking their mobile number with Aadhar through external agency on 19th and 21 December 2023 at room no.106 from 1 p.m onward

Message





Passed Out Batch 21-22
only admins can send messages



December 7, 2023



~ Priyanka Nonia +91 84360 47951

This message was deleted

10:49 AM



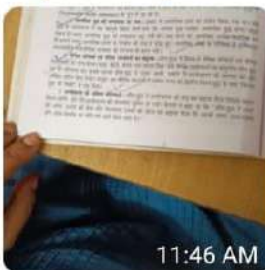
Piyali Banerjee

Plz come to the staffroom and meet me

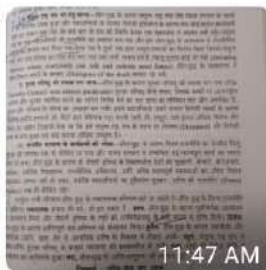
11:42 AM



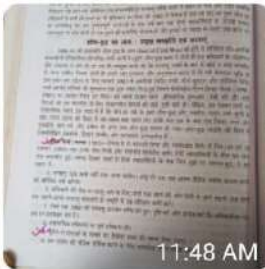
Piyali Banerjee



11:46 AM



11:47 AM



11:48 AM



Piyali Banerjee



Détente - Definition, Policy & Cold War | HISTORY

Détente (a French word meaning r...
www-history-com.translate.goog

https://www-history-com.translate.goog/topics/cold-war/detente?_x_tr_sl=en&_x_tr_tl=hi&_x_tr_hl=hi&_x_tr



Message





Passed Out Batch 21-22
only admins can send messages



November 9, 2023

Banwarilal Bhalotia College, Asansol
NOTICE

Date: 09.11.2023
It is hereby informed to all concerned that the college will remain closed on and from 10.11.2023 to 21.11.2023 on account of Kali Puja, Bhatridwitiya, Birthday of Birsha Munda, Chhat Puja and Jagaddhatri Puja.

The college will reopen and usual classes of U.G. and P.G. will commence from 22.11.2023.

(Re-open)



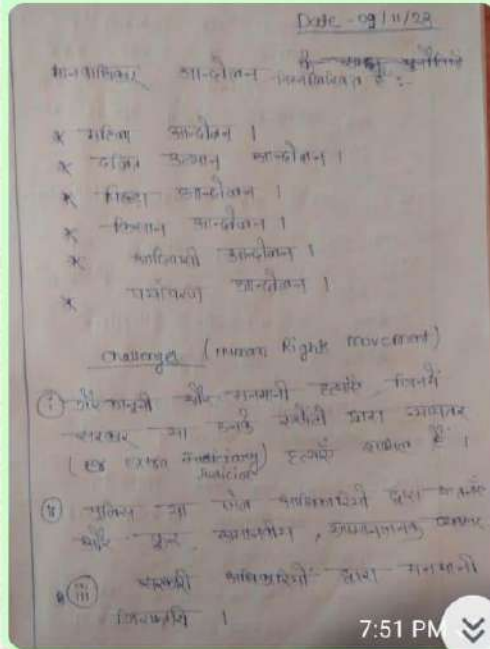
Principal
B.B. College, Asansol
DR. AMITAVA BASU
Principal, B. B. College
Banwarilal Bhalotia P. Asansol
West Bengal - 741001

1:24 PM ✓

Class at 2pm 1:27 PM ✓

Pm 1:27 PM ✓

Forwarded



Message



6:21

5G 56%

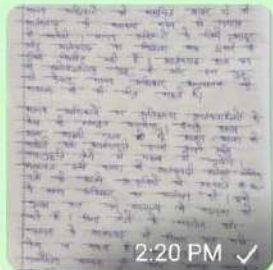
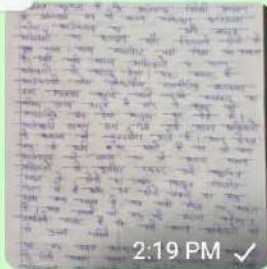
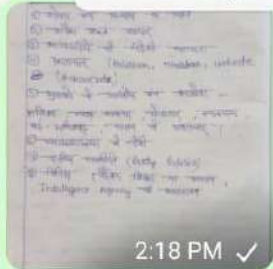


Passed Out Batch 21-22

only admins can send messages

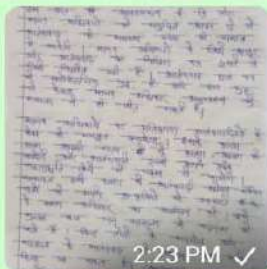
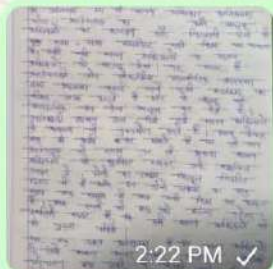


November 7, 2023



Relationship between terrorism and human rights 🙌

2:21 PM ✓



Message



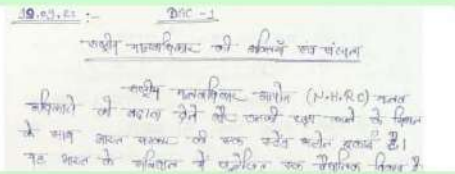


Passed Out Batch 21-22
only admins can send messages



November 7, 2023

Forwarded



DSE 1.pdf
5 pages • 571 kB • PDF

2:14 PM ✓

Forwarded

संस्कृत में स्वीकार करने योग्य नहीं है। बरबरत, जहाँ तक ज्ञानकारिणों, विद्वानों और
अद्वैतवादीयों को भी इन बातों से कि वे भी संस्कृत के सार्वभौमिक हैं जिन्होंने कुछ अल्पवयस
हिसा का सारा अल्पवयस है, अल्प की यह सीमा है कि उनकी प्राथमिकता दोनों के संबंध
में विचार करना चाहिए तथा उनके संपूर्ण प्रमुख धर्म में संस्कृत को अल्प वयस दिया जाना
चाहिए।

संस्कृत में स्वीकार करने योग्य नहीं है। बरबरत, जहाँ तक ज्ञानकारिणों, विद्वानों और
अद्वैतवादीयों को भी इन बातों से कि वे भी संस्कृत के सार्वभौमिक हैं जिन्होंने कुछ अल्पवयस
हिसा का सारा अल्पवयस है, अल्प की यह सीमा है कि उनकी प्राथमिकता दोनों के संबंध
में विचार करना चाहिए तथा उनके संपूर्ण प्रमुख धर्म में संस्कृत को अल्प वयस दिया जाना
चाहिए।

संस्कृत में स्वीकार करने योग्य नहीं है। बरबरत, जहाँ तक ज्ञानकारिणों, विद्वानों और
अद्वैतवादीयों को भी इन बातों से कि वे भी संस्कृत के सार्वभौमिक हैं जिन्होंने कुछ अल्पवयस
हिसा का सारा अल्पवयस है, अल्प की यह सीमा है कि उनकी प्राथमिकता दोनों के संबंध
में विचार करना चाहिए तथा उनके संपूर्ण प्रमुख धर्म में संस्कृत को अल्प वयस दिया जाना
चाहिए।



Message input field with icons for emojis, attachments, voice recording, and camera.



6:21

5G 56%



Passed Out Batch 21-22

only admins can send messages



12:06 AM

October 11, 2023



Pawan Gurung s



Narmada Bachao Andolan -
Wikipedia
en.wikipedia.org

https://en.wikipedia.org/wiki/Narmada_Bachao_Andolan

11:20 AM

Pawan Gurung s



Narmada Bachao Andolan
NBA | Save The Narmada M...
Narmada Bachao Andolan. NBA is...
byjus.com

<https://byjus.com/free-ias-prep/narmada-bachao-andolan-nba/>

11:21 AM

Narma da bachao Andolan 🙌

11:21 AM

Pawan Gurung s



Silent Valley Movement -
History, Significance | UPSC ...
Save Silent Valley Movement, beg...
byjus.com

<https://byjus.com/free-ias-prep/silent-valley-movement/#:~:text=Silent%20Valley%20Movement%20was%20a%20flooded%20by%20a%20hydroelectric%20project.>

11:22 AM



Message



OFFLINE ICT CLASSES EVIDENCES

Genetically modified fish

Genetically modified fish (GM fish) are organisms from the taxonomic clade which includes the classes Agnatha (jawless fish), Chondrichthyes (cartilaginous fish), and Osteichthyes (ray-finned fish) whose genetic material (DNA) has been altered using genetic engineering techniques. In most cases, the aim is to introduce a new trait to the fish which does not occur naturally in the species, i.e. transgenesis.

GM fish are used in scientific research and kept as pets. They are being developed as environmental pollutant sentinels and for use in aquaculture food production. In 2015, the AquAdvantage salmon was approved by the US Food and Drug Administration (FDA) for commercial production, sale and consumption,^[1] making it the first genetically modified animal to be approved for human consumption. Some GM fish that have been created have promoters driving an over-production of "all fish" growth hormone. This results in dramatic growth enhancement in several species, including salmonids,^[2] carps^[3] and tilapias.^{[4][5]}

Some people are concerned and have been subjected to GM fish on several grounds, including ecological concerns, animal welfare concerns and with whether using them as food is safe and whether GM fish are needed to help address the world's food needs.

Transgenic Fish _2023 10 04_PG 3rd Sem

Arnab Gangul...
192 subscribers

Analytics Edit video

1 | Share

RECORD OF OFFLINE CLASSES OF DR SANGITA LAHIRY WITH HER STUDENTS DURING THEIR PPT PRESENTATION







EVIDENCE OF OFFLINE CLASSES AND ICT

III Sem (Hons) (Th + Pract) Alkanda

Serial No.	Roll No.	NAME OF PUPILS
1	DX	Amrita Basad
2	AM	Angishan Mukherjee
3	AB	Aniket Dasg
4	AB	Ankan Bhosmia
5	AL	Atul Kumar Das
6	AR	Bushra Rahman
7	CB	Chandrima Ghosh
8	DM	Debnaj Mondal
9	DR	Ishani Roy
10	DR	Jiya Sen
11	J.B	Jyotirmoy Bandopadhyay
12	K.S	Kazi Naseer Rahman
13	MD	Manav
14	MD	Monalisa Das
15	N.D	Nandita Das
16	N.K	Nisha Kumari
17		Noor Fatima X
18	RM	Rima Mondal
19	RK	Rogayya Khatoon
20	RF	Rubab Fatima
21	SM	Sana Parveen
22	SR	Shreejita Mukhopadhyay
23	SR	Shrinath Bhadra
24	SA	Shreyasi Adhikary
25	SA	Sik sagal Akter
26	SA	Soma Ghosh
27	SD	Soumen Das
28	S.B	Souvikas Biswas
29		Saimonty Ghosh
30	SM	Sudipta Maji
31	T.B	Tania Ghatakcharya
32	V.K	Vijay Kumar
33	SR	Faihan Jahan
34		KAINAT PARWEEN
35		

No. Present Daily
No. Absent Daily
TOTAL

REGISTER OF ATTEN-
For the Month of

Roll No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	A																														
2	A																														
3	A																														
4	A																														
5	A																														
6	A																														
7	A																														
8	A																														
9	A																														
10	A																														
11	A																														
12	A																														
13	A																														
14	A																														
15	A																														
16	A																														
17	A																														
18	A																														
19	A																														
20	A																														
21	A																														
22	A																														
23	A																														
24	A																														
25	A																														
26	A																														
27	A																														
28	A																														
29	A																														
30	A																														
31	A																														
32	A																														
33	A																														
34	A																														
35	A																														

Notes: - Hindus: - Muslims: - Others: TOTAL

No. of Free Students: No. of % Free Students:

DANCE OF PUPILS

Roll No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	A																														
2	A																														
3	A																														
4	A																														
5	A																														
6	A																														
7	A																														
8	A																														
9	A																														
10	A																														
11	A																														
12	A																														
13	A																														
14	A																														
15	A																														
16	A																														
17	A																														
18	A																														
19	A																														
20	A																														
21	A																														
22	A																														
23	A																														
24	A																														
25	A																														
26	A																														
27	A																														
28	A																														
29	A																														
30	A																														
31	A																														
32	A																														
33	A																														
34	A																														
35	A																														

Notes: - Hindus: - Muslims: - Others: TOTAL

No. of Free Students: No. of % Free Students:

(200H) (2022-2023)

REGISTER OF ATTEN-

For the Month of

DANCE OF STUDENTS

200

Roll No.	NAME OF STUDENTS
44	Prachi Kumari Mishra
45	Manojdeep Mishra
46	Prachi Mishra
47	Prachi Mishra
48	Prachi Mishra
49	Prachi Mishra
50	Tanya Mishra
51	Vishal Mishra
52	Hemant Mishra
53	Ashwini Nath Hansda
54	Kishan Kumar Mishra
55	Sarav Chakraborty
56	Isak Kumar
57	Dinesh Mishra
58	Dinesh Mishra
59	Rishi Ranjan
60	Rishi Ranjan
61	Anshika Laxkar

Roll No.	ATTEN	DANCE
44	A	
45	A	
46	A	
47	A	
48	A	
49	A	
50	A	
51	A	
52	A	
53	A	
54	A	
55	A	
56	A	
57	A	
58	A	
59	A	
60	A	
61	A	

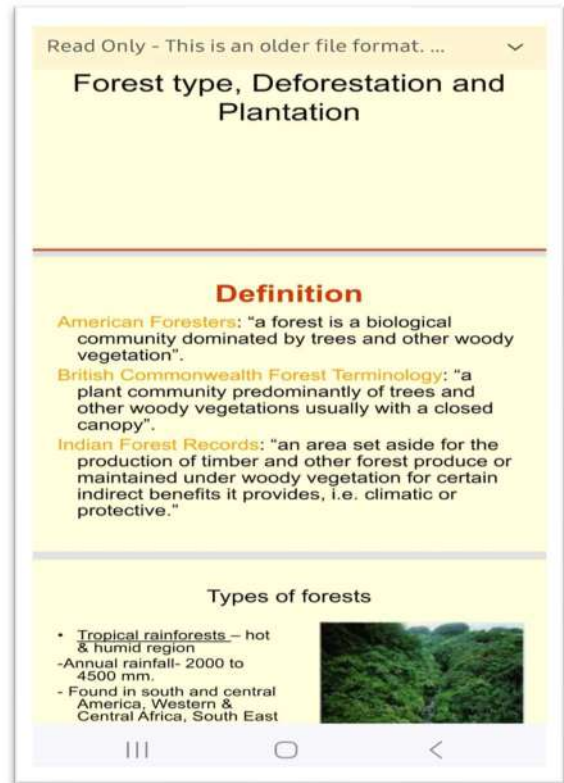
Roll No.	ATTEN	DANCE
44	A	
45	A	
46	A	
47	A	
48	A	
49	A	
50	A	
51	A	
52	A	
53	A	
54	A	
55	A	
56	A	
57	A	
58	A	
59	A	
60	A	
61	A	

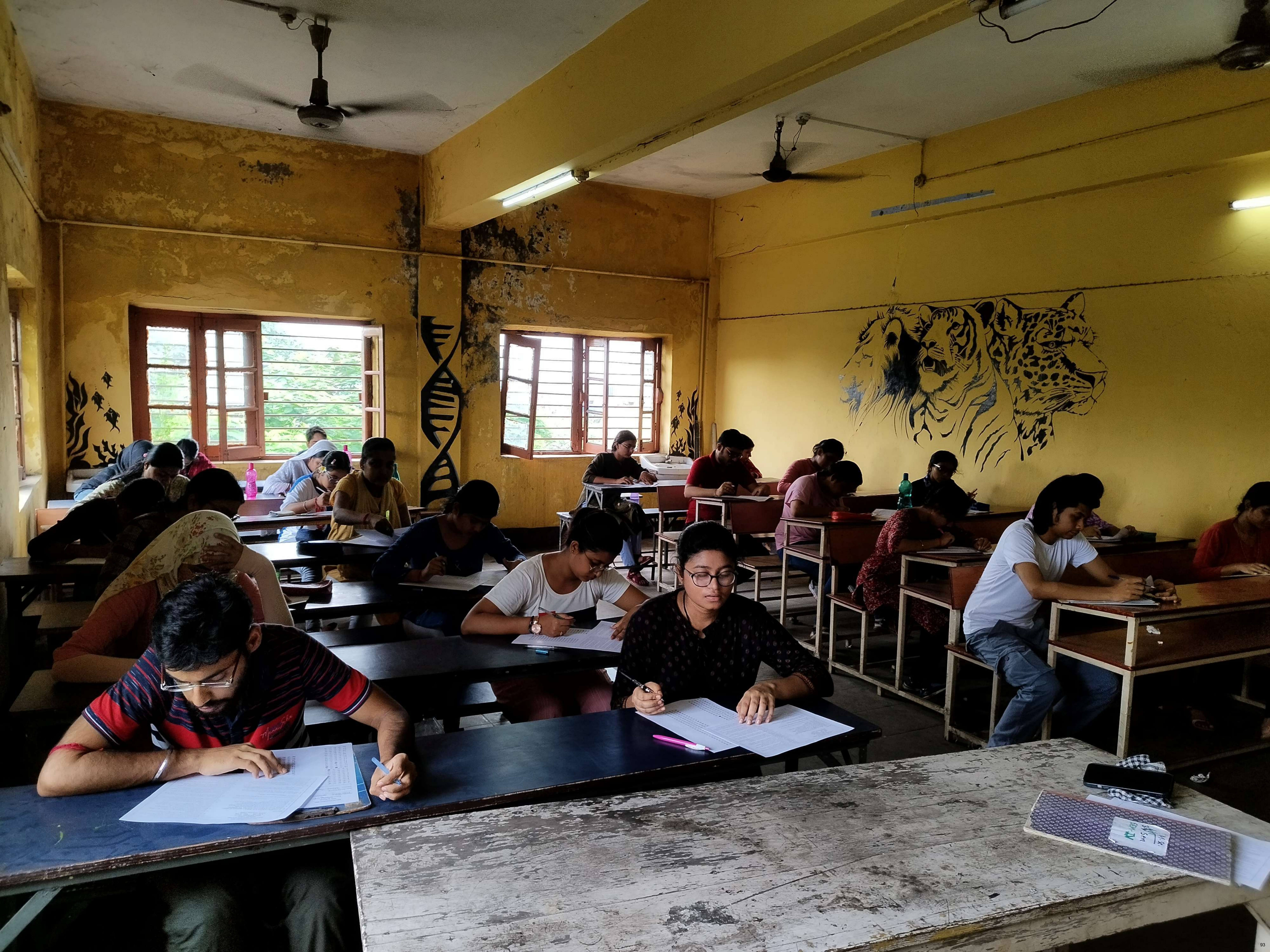
Roll No.	ATTEN	DANCE
44	A	
45	A	
46	A	
47	A	
48	A	
49	A	
50	A	
51	A	
52	A	
53	A	
54	A	
55	A	
56	A	
57	A	
58	A	
59	A	
60	A	
61	A	

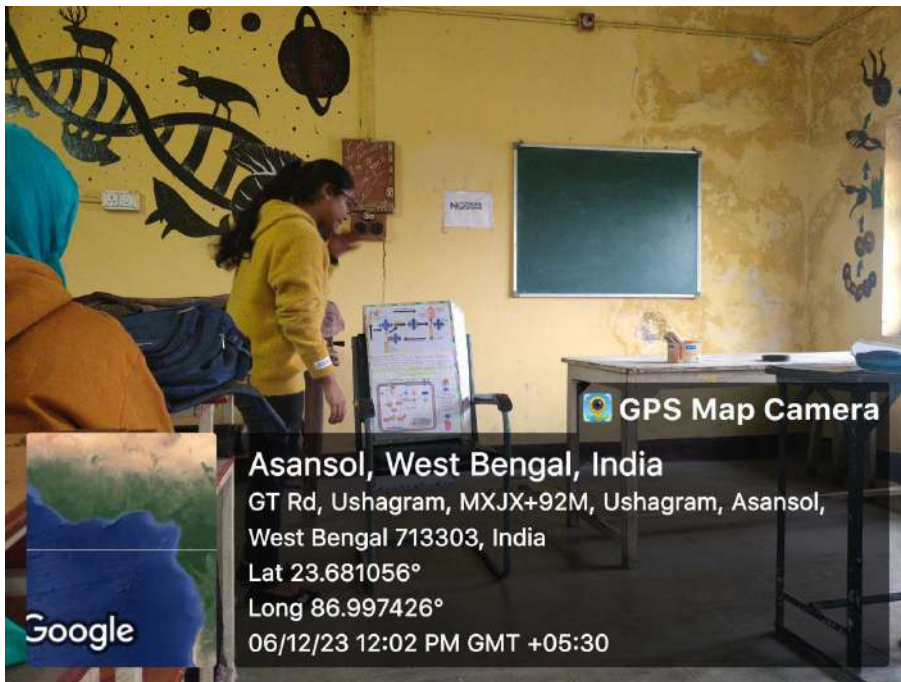
Handwritten notes and signatures in the bottom section of the register, including names like Prachi Mishra, Tanya Mishra, and Anshika Laxkar, along with dates and marks.

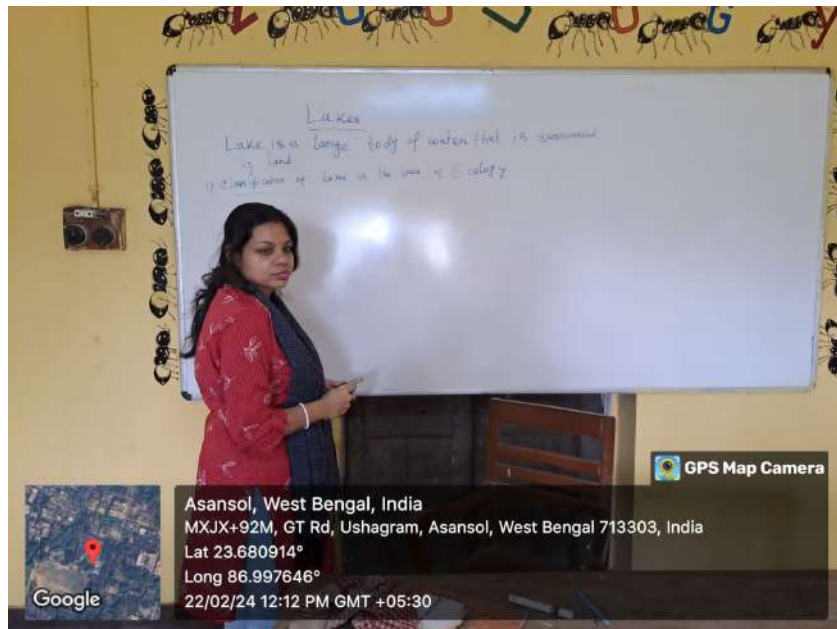
NAME OF FACULTY – RAJRUPA GHOSH

OFFLINE CLASS AND PDF NOTES



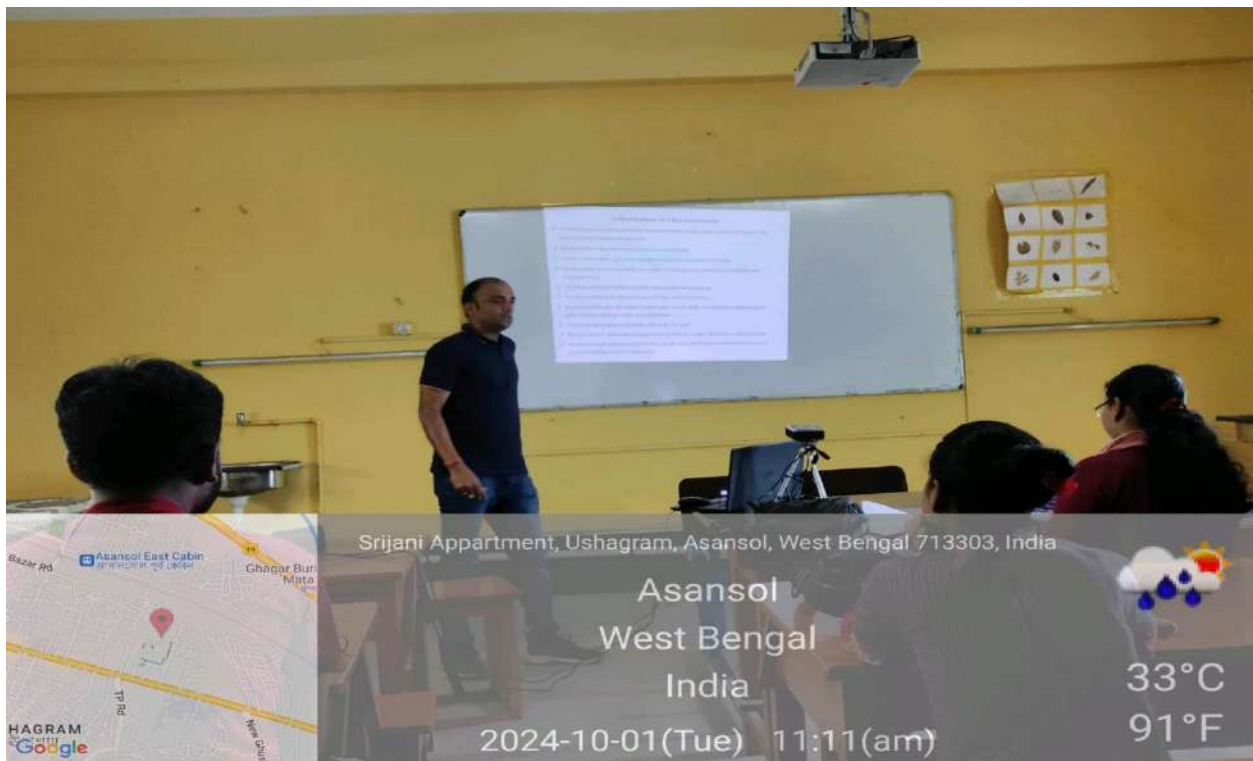








Dr Sucheta Mondal taking using ICT during her special class.



Dr Sidarth Singh Deo taking using ICT during her special class.

SEMESTER I
CORE COURSE II
BRITISH PROSE AND DRAMA: ANGLO-SAXON TO
SEVENTEENTH CENTURY



TOPIC: ORIGIN AND DEVELOPMENT OF BRITISH DRAMA

SHUBHRA SINGH SARDAR

ASSISTANT PROFESSOR

DEPARTMENT OF ENGLISH

B. B. COLLEGE, ASANSOL



MEDIEVAL DRAMA

- Liturgical Plays
- Mystery and Miracle Plays
- Morality Plays
- Interludes



LITURGICAL PLAYS

- Drama evolved due to religious predispositions
- Liturgical plays were plays related to church
- Performed inside the church
- Bible was written in Latin so common people found it difficult to understand
- The clergy tried to find new methods of expounding the teachings of the Bible
- Liturgical plays were a medium where stories of Gospels were explained through living pictures or question-answer songs performed by monks on Easter



MYSTERY PLAYS

- These were plays depicting life of Christ – His birth, death and resurrection
- Performed on platforms called mansions.
 - Three mansions represented Heaven, Hell and the Sea of Galilee
- Medieval craft guilds took over the presentation of drama
 - Pageant wagons – stages on wheels
 - Divided into two levels (upper = stage, lower = dressing area)



DIFFERENCE BETWEEN MYSTERY AND MIRACLE PLAYS

- It has long been the fashion to call the Biblical plays “Mysteries” and those dealing with saints lives “Miracles”.
- Miracle plays specifically re-enacted miraculous interventions by the saints, particularly St. Nicholas or St. Mary



CYCLES OF MYSTERY PLAYS

- The York cycle – 49 plays
- The Wakefield/Towneleye Cycle – 32 plays
- The Chester Cycle – 25 plays
- The N- Town Cycle – 42 plays



EXAMPLES OF MYSTERY PLAYS

- During the 14th and 15th century these plays were performed in the Corpus Christi festival
- For such elaborate cycles presented out of doors only summer festivals were really suitable, as the feast of Corpus Christi
- Eg. *Noah* (Wakefield cycle), *The Three Maries* etc.



FOLK DRAMA – SECULAR DRAMA (NON-RELIGIOUS)

- Discouraged by the church
- Took place around planting and harvest time and presented outdoors
- Most pagan religions gave thanks to an earth goddess, hence celebration around planting and harvest.
- Example: *Robin Hood*



MORALITY PLAYS

- Morality plays were dramatized allegories of a representative Christian life.
- Protagonists usually represented Mankind or Everyman
- The other characters were personification of virtues, vices and death
- Angels and Demons contest for the prize of the soul of Mankind



-
- **Allegory** is a story where the characters and sometimes the settings are symbols for particular ideas about human life or some political scenario.



PLOT OF A MORALITY PLAY

- **Major theme** - Quest for salvation
- **Crucial events are**
 - Temptations
 - Sinning
 - The climatic confrontation with death



NOTE ON THE CHARACTER - VICE

- A character known as the ‘Vice’ often played the role of tempter in a fashion both sinister and comic.
- He is regarded by some literary historians as a precursor both of the cynical, ironical villain and of some of the comic figures in Elizabethan drama, including Shakespeare’s Falstaff.



INTERLUDES

- These were short performances or plays that were placed between the acts of longer plays.
- They often used religious and political issues as their topics.
- But they were presented as secular farces and witty dialogues.
- Performed in the late 15th and early 16th century by bands of professional actors



EXAMPLE – THE FOUR PP

- One clear link between late medieval morality plays and 16th century theatre is the interlude *The Four PP* by John Heywood that dates from the early 1540s.
- The four characters are – A palmer
 - A pardoner
 - A pothecary
 - A pedlar
- These four characters engage in a lying contest



- • **Farce** is a kind of comedy that provokes simple hearty laughter among the audience – “belly loughs”.
- This is done by using highly exaggerated and caricatured characters and putting them in improbable situations.



FIRST ENGLISH COMEDY

- *Ralph Roister Doister* (about 1552) by Nicholas Udall
- *Gammer Gurton's Needle* (acted at Cambridge in 1566)
- Arranged in five acts like the classical ordering
- But the material was native and original
- Humour – was coarse and vulgar without any intellectual appeal
- With this the drama was relieved from allegorical representation of middle English period to real life representation with natural characterization.



FIRST ENGLISH TRAGEDY – FORM AND STYLE

- *Gorboduc* (1561) by Thomas Norton and Thomas Sackville
- It was also the first play in blank verse composed of regular metrical lines of iambic pentameter which were unrhymed.
- This brought the dialogues near to the natural rhythms of English speech
- Later in Elizabethan and Jacobean drama blank verse became the standard form



FIRST ENGLISH TRAGEDY – THEME AND PLOT

- The subject matter was a political one about who would ascend the throne.
- It reflected the contemporary uncertainty of the succession to the throne.
- It introduced the genre of Senecan tragedy that was developed by the later playwright Thomas Kyd in *The Spanish Tragedy*.
- It was a direct imitation of Seneca as it portrayed a series of slaughter, bloodshed and revenge.



IMPORTANT QUESTIONS

- Define the terms Miracle play and Morality play? Evaluate their contribution to the growth of English drama. How “interludes” are related to these plays?
- Discuss in details the first English comedy and the first English tragedy and estimate their role in the development of British drama.

THANK YOU

Modern European Theatre and Introduction to Brecht's Epic Theatre

B. A. English Honours Semester V, Core Course 11, Unit III

Prepared by

**Dr. Uddalak Dutta ,
Assistant Professor, Department of English, Banwarilal Bhalotia College,
Asansol.**

- The **Modernist movement** in 20th century literature was, fundamentally, an experimentation in narrative technique and form in order to arrive at literary techniques commensurate with the altering understanding of “realities”.
- Virginia Woolf highlighted the changing mindscape when she declared that life was “not a series of gig lamps” but a “luminous halo”.
- Drama, like other forms of artistic expression, underwent sweeping changes in the first half of the 20th century.
- Antonin Artaud’s Theatre of Cruelty –was an “assault” on the senses; a means to extract man out of his spiritual somnolence.
- The psychological and spiritual breakdown of man post Holocaust found enduring representation in the works of Beckett, Pinter, Ionesco and other Absurdist.
- On the other hand, the social factors responsible for man’s misery found representation in the works of Marxist dramatists, the greatest of whom was **Bertolt Brecht(1898-1956)**.
- In his Epic narratives, Brecht drew upon numerous experiences and techniques in order to present man with all his characteristic nuances and complexities. His Marxist conviction led him to believe that theatre was a weapon for social change, and that he had to speak about, and to, the masses. Both his language and subject matter were chosen with due care, keeping the interest of the proletariat in mind.

Marxian Dialectics

- Scholastically originated by Hegel, this idea holds that each object/event/thought process changes constantly at every moment; nothing is Absolute or static. The roots of this concept may be traced back to ancient Greece and ancient India.
- The German philosopher Karl Marx carried the idea further by stating that dialectical change implies a special kind of transformation whereby all objects/events/thought processes change at every moment to become their own opposite.
- “Can we jump into the same river twice?”
- Brecht’s Epic Theatre represents dialectics on stage.
- Differences between Brechtian Epic and Aristotelian Theatre (next slide)

How can the theatre be entertaining and at the same time instructive? How can it be taken out of the traffic in intellectual drugs and transformed from a place of illusion to a place of insight?

For Brecht the traditional, or dramatic theatre was a place where the audience were absorbed into a comforting illusion which played on their emotions and left them drained, but with a sense of satisfaction which predisposed them to accept the world as they found it. What he himself was looking for was a theatre that would help to change the world.

He first tabulated his ideas on epic theatre in his *Notes on the Opera 'The Rise and Fall of the City of Mahagonny'* (1930) where he set out the contrasts between the dramatic theatre and the epic theatre in a list.

DRAMATIC THEATRE	EPIC THEATRE
plot	narrative
implicates the spectator in a stage situation	turns the spectator into an observer, but
wears down his capacity for action	arouses his capacity for action
provides him with sensations	forces him to take decisions
experience	picture of the world
the spectator is involved in something	he is made to face something
suggestion	argument
instinctive feelings are preserved	brought to the point of recognition
the spectator is in the thick of it, shares the experience	the spectator stands outside, studies
the human being is taken for granted	the human being is the object of the inquiry
he is unalterable	he is alterable and able to alter
eyes on the finish	eyes on the course
one scene makes another	each scene for itself
growth	montage
linear development	in curves
evolutionary determinism	jumps
man as a fixed point	man as a process
thought determines being	social being determines thought
feeling	reason

(from *Brecht on Theatre*, 9. 37)

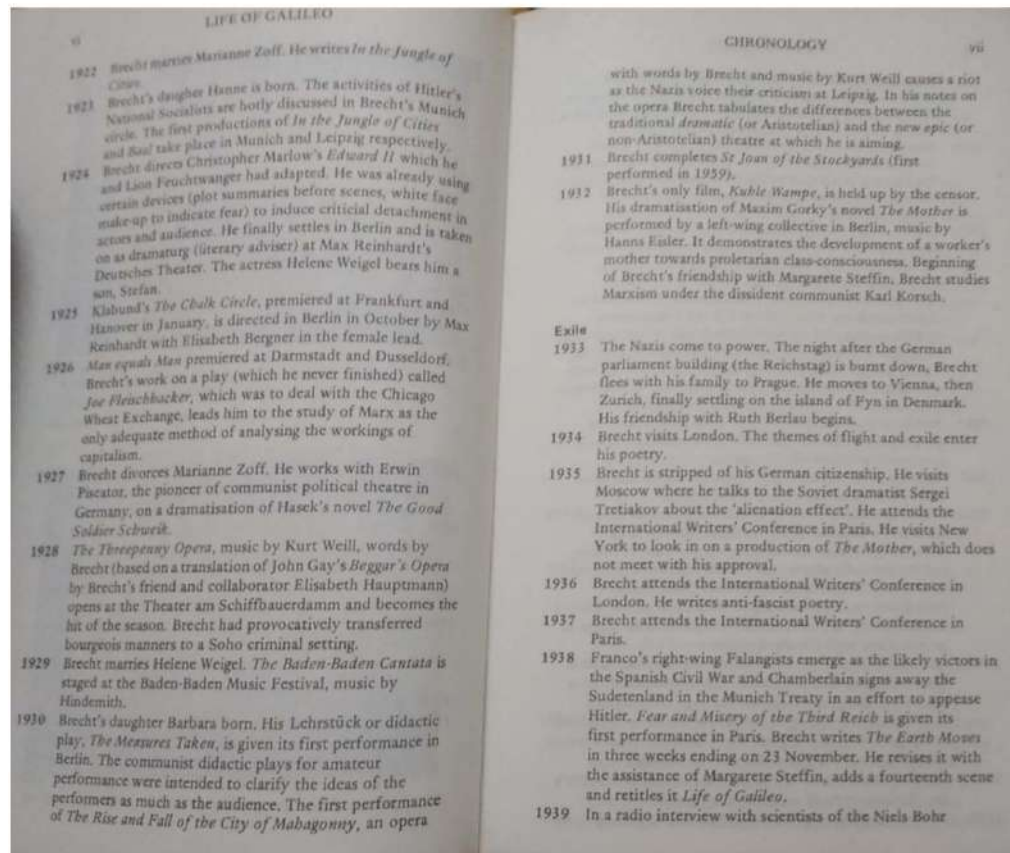
Bertolt Brecht: Important events in his growth as an artist

Bertolt Brecht 1898–1956

Brecht's life falls into three distinct phases demarcated by his forced exile from his native Germany during the Hitler years. From 1898-1933 he is in Germany; from 1933-1947 he is in exile in various parts of the world; in 1947 he returns to Europe, first to Switzerland then to Berlin.

Germany

- 1898 Eugen Berthold Friedrich Brecht born on 10 February at Augsburg where his father was an employee and later director of the Haindl paper mill.
- 1908 Brecht goes to Augsburg Grammar School (Realgymnasium) where he is an indifferent pupil and a rebel in his quiet way, numbering among his friends Caspar Neher, later his designer. Brecht was almost expelled for taking a dismissive, anti-patriotic line when set an essay with the title 'It is a sweet and honourable thing to die for one's country'.
- 1917 Brecht enrolls as a medical student at Munich University, where he also attends Arthur Kutscher's theatre seminar. He samples the bohemian literary life of the city.
- 1918 Brecht is conscripted and serves as a medical orderly, though he still lives at home. He writes *Baal*, a rumbustious, even outrageous dramatic tribute to natural drives and anarchic sexuality, and does theatre reviews for the local newspaper, *Augsburger Neueste Nachrichten*.
- 1919 Brecht writes *Drums in the Night*. He meets the comedian Karl Valentin, the theatre director Erich Engel, and actresses Elisabeth Bergner, Blandine Ebinger, Carola Neher and Marianne Zoff.
- 1920 Brecht visits Berlin.
- 1921 Brecht's registration at Munich University is cancelled. An attempt to make himself known in literary circles in Berlin ends with him in hospital suffering from malnutrition. His new friendship with Arnolt Bronnen, the playwright, leads him to change the spelling of his name to Bertolt, or Bert.



- Institute Brecht hears of the discovery of a great new source of energy, nuclear fission. His first response is positive. In April he moves to Stockholm with his family. He finishes writing *Mother Courage and Her Children*.
- 1940 German forces march into Denmark. In Lidings Brecht completes *The Augsburg Chalk Circle*, a short story set in the Thirty Years War. Brecht's household moves to Helsinki in Finland where his friendship with the writer Hella Wuolijoki begins.
- 1941 Brecht completes *Mr Puntila and his Man Matti*, *The Good Person of Szechwan* and *The Resistable Rise of Arturo Ui*. He writes war poetry and 'Finnish Epigrams'. Leaving Finland Brecht travels through the Soviet Union via Leningrad and Moscow (where Margarete Steffin dies) to Vladivostok and sails to the U.S.A. He arrives in Los Angeles in July and settles with his family in Santa Monica. He makes contact with other exiles (Heinrich Mann, Lion Feuchtwanger and Fritz Lang, the film director) and with the natives (Orson Welles). First performance of *Mother Courage and her Children* in neutral Switzerland.
- 1942 Brecht prepares his *Poems in Exile* for publication. He participates in the anti-war, anti-fascist activities of exile groups. He meets Charles Laughton.
- 1943 The first performance of *The Good Person of Szechwan* and of *Life of Galileo* take place in Zurich.
- 1944 Brecht becomes a member of the newly formed Council for a Democratic Germany. In April Jed Harris, an American producer and director, enquires about *Galileo*, and Brecht looks afresh at its 'moral'. He writes the first version of *The Caucasian Chalk Circle*, and almost immediately starts reworking it. He studies Arthur Waley's translations of Chinese poetry. In September he begins to revise *Galileo* with Charles Laughton.
- 1945 *Fear and Misery of the Third Reich* is performed in New York under the title *The Private Life of the Master Race*. Brecht and Laughton complete the English version of *Galileo* but the dropping of the atomic bombs on Hiroshima and Nagasaki in August gives rise to another revision which stresses the social responsibility of the scientist.
- 1946 The first performance of Brecht's adaptation of Webster's *The Duchess of Malfi* takes place in Boston.
- 1947 Charles Laughton appears in the title role of *Life of Galileo*

- in Beverly Hills and New York. Brecht appears before the *House Committee on Un-American Activities* and proves himself a master of ambiguity when cross-examined about his communist sympathies.
- Return**
Brecht and Helene Weigel go to Zurich, leaving their son Stefan, who is an American citizen, in the U.S.A. Brecht meets Max Frisch, his old friend and designer Caspar Neher, and the playwright Carl Zuckmayer.
- 1948 Brecht's adaptation of *Antigone of Sophocles* is performed in Chur, Switzerland, and *Mr Puntila and his Man Matti* is given its first performance in Zurich. He publishes the *Little Organum for the Theatre*. Brecht travels to Berlin and starts rehearsals of *Mother Courage* at the Deutsches Theater in the Soviet sector of the city. *The Caucasian Chalk Circle* is first performed in Eric and Maja Bentley's English translation by students at Northfield, Minnesota.
- 1949 *Mother Courage* opens at the Deutsches Theater with Helene Weigel in the title role. Brecht visits Zurich again before settling in Berlin. The *Berliner Ensemble*, Brecht and Helene Weigel's own state-subsidised company, is formed and opens with *Puntila*. At Gottfried von Einem's suggestion Brecht applies for an Austrian passport (H. Weigel is Austrian) as Caspar Neher had already done.
- 1951 *The Mother* is performed by the *Berliner Ensemble*. Brecht finishes the first version of his adaptation of Shakespeare's *Coriolanus*.
- 1953 Ethel and Julius Rosenberg are executed in the U.S.A. for betraying atomic secrets to the Russians. Brecht is elected President of this German section of the PEN Club, the international writers' association. On 17 June there are strikes and demonstrations protesting about working conditions in the German Democratic Republic. Brecht writes a letter to the Secretary of the Socialist Unity Party which is released to the press in a doctored form.
- 1954 The trial of atomic physicist Robert J. Oppenheimer begins in the U.S.A., and Albert Einstein writes an article inveighing against this modern 'inquisition', but the idea that science is subordinate to state security gains currency. Brecht is awarded the Stalin Peace Prize. The *Berliner Ensemble* moves into its own home, the Theater am Schiffbauerdamm

LIFE OF GALILEO

- (where he had triumphed with *The Threepenny Opera* in 1928), and performs *The Caucasian Chalk Circle*. The prologue, *The Struggle for the Valley*, is now designated as Act I. Brecht makes public his objections to the Paris Treaty (which incorporated the Federal Republic of Germany into Nato) and to re-armament in general. The Berliner Ensemble's productions of *Mother Courage* and Kleist's *The Broken Pitcher* are enthusiastically received as the highlights of the Paris Théâtre des Nations festival. *Mother Courage* is awarded the prizes for best play and best production.
- 1955 In December Brecht begins rehearsals of *Life of Galileo* using the third version of the play, a modified retranslation into German of Laughton's English version. Ernst Busch takes the title role. Harry Buckwitz, directing the West German premiere of *The Caucasian Chalk Circle* at Frankfurt, omits *The Struggle for the Valley* as politically inopportune.
- 1956 Brecht's health prevents him from carrying on with *Galileo* and he hands over the direction to Erich Engel. Brecht is preparing the Berliner Ensemble, which by that time has become generally recognised as the foremost progressive theatre in Europe, for a visit to London when he dies of a heart attack on 14 August. The visit goes ahead and *Mother Courage*, *The Caucasian Chalk Circle*, and *Trumpets and Drums* are presented at the Palace Theatre at the end of August for a short season – a landmark in Brecht's reception in the United Kingdom.
- 1957 *Life of Galileo* opens at the Berliner Ensemble on 15 January in sets by Caspar Neher and with music by Eisler.

➤ *Life of Galileo*, written and revised on numerous occasions across the span of Brecht's career, represents the dramatist's understanding of "heroism" in modern society. Was the famous scientist villainous in recanting? Did he actually let down science by compromising with the truth in order to save his skin? Or was his decision a well-planned means to ensure that he was able to serve the cause of science in spite of crippling opposition? Or was Brecht's hero, quite simply, too frightened to speak out? The audience is left to ponder as we turn the pages of this fascinating tale of a modern hero.



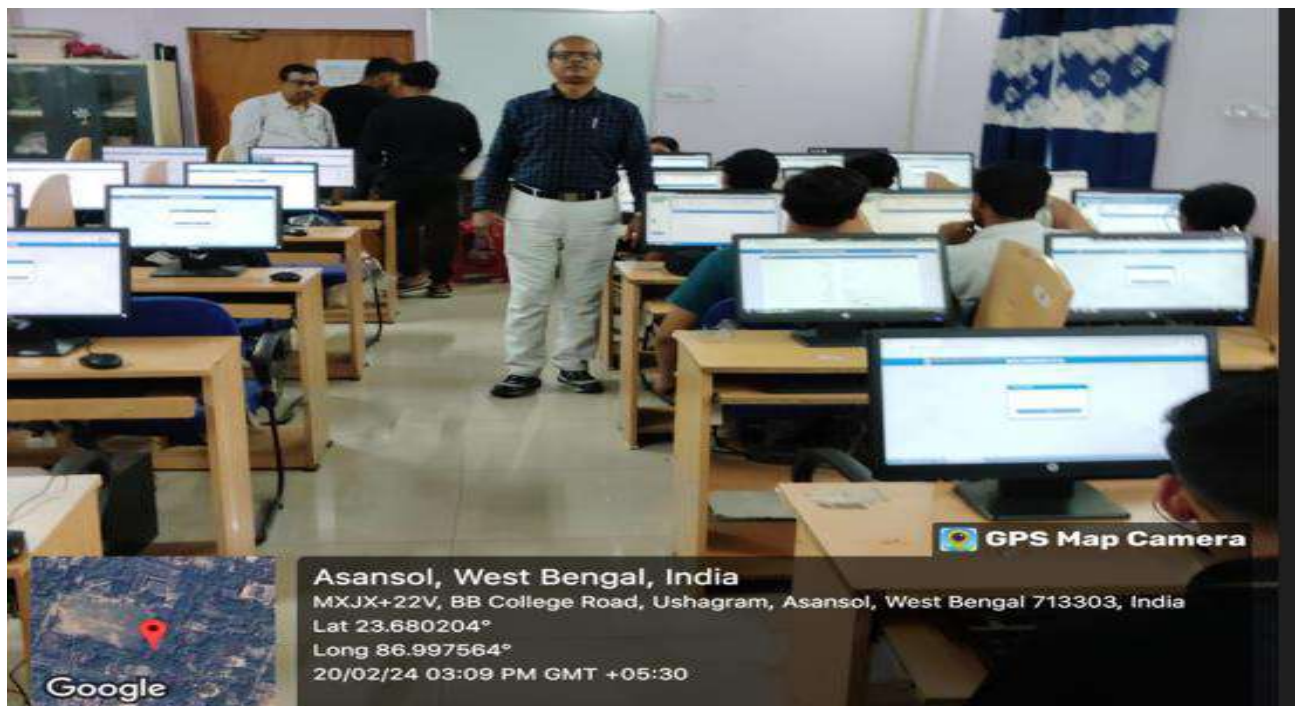
A production of *Life of Galileo* from the Hekman Digital Archive. Courtesy library.calvin.edu

Department of Commerce (Evening Shift)

BB College, Asansol

SAMPLE EVIDENCES OF OFF-LINE-ICT USED BY FACULTIES

1. Taking On-Line Internal Exam using Offline-ICT-Session-2023-24



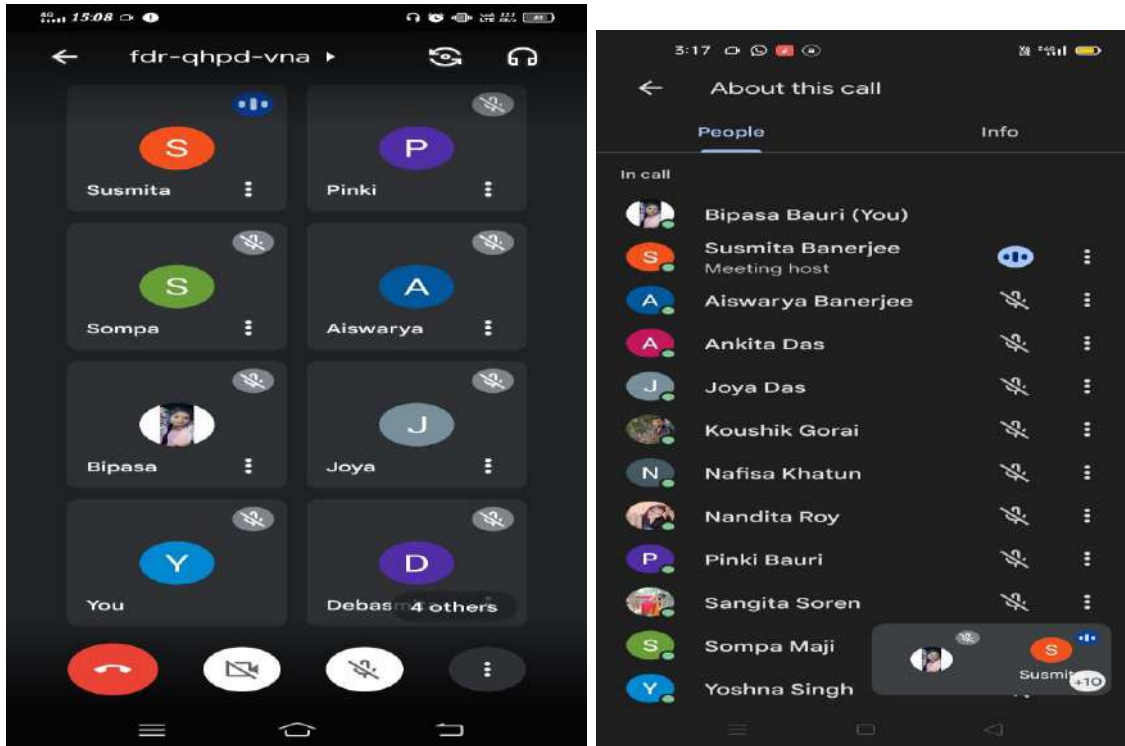


2. Computer Practical Class AT Computer Lab





Remedial online classes arranged for slow learners taken by Susmita Layek Associated Professor Department of Philosophy



Class test arranged for taken by Susmita Layek, Associated Professor Department of Philosophy



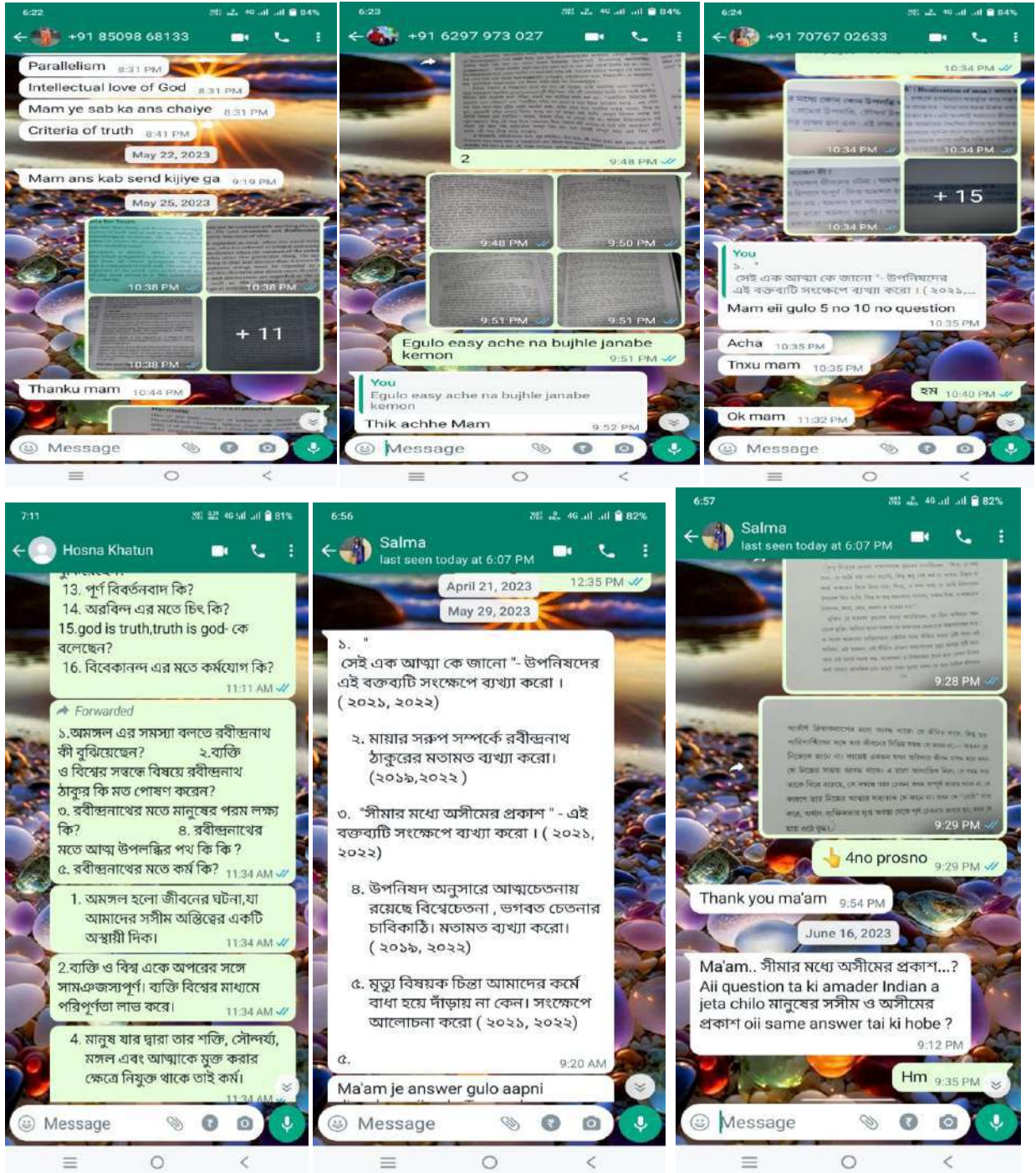
online study materials provided by Susmita Layek Associated Professor Department of Philosophy



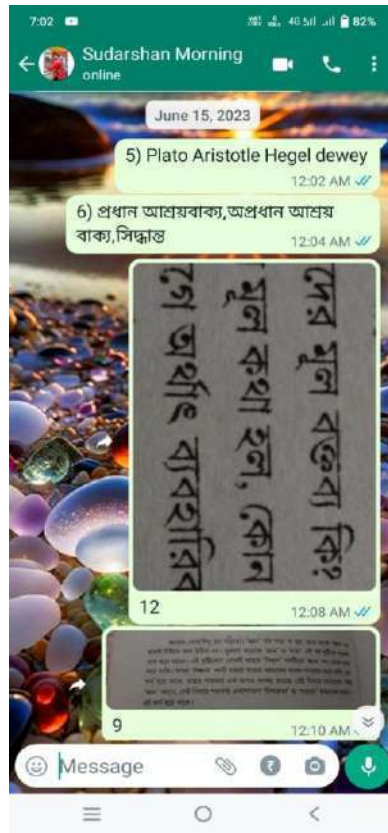
Remedial classes arranged for slow learners taken by Shanoly Ganguly & Dipankar Das, Department of philosophy



Interaction of Shanoly Ganguly, Department of Philosophy with quick learners & slow learners during recess hours



online study materials provided by Tutul chattaraj,Sact-II & Shanoly Ganguly, Department of Philosophy



BANWARILAL BHALOTIA COLLEGE
MASTER ROUTINE SCIENCE ODD SEMESTER 2024-25

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
DAYS								
MONDAY	SEM I		MAJOR	MINOR	MD	MIL		
	SEM III		MAJOR	MAJOR	MINOR	MD	MAJOR (PRACTICAL)	
	SEM V		DSE	DSE	CORE	CORE	HONS (PRACTICAL)	
TUESDAY	SEM I		MAJOR	MINOR	MD	MIL	MINOR (PRACTICAL)	
	SEM III		MAJOR	MAJOR	MINOR	AEC	MINOR (PRACTICAL)	
	SEM V			DSE	DSE	CORE	CORE	
WEDNESDAY	SEM I		MAJOR	MINOR	MD	MAJOR(PRACTICAL)		
	SEM III		MAJOR	MAJOR	MINOR	AEC	T/R/S	
	SEM V		DSE	DSE	CORE	CORE	HONS (PRACTICAL)	
THURSDAY	SEM I		MAJOR	MINOR	SEC	MINOR(PRACTICAL)		T/R/S
	SEM III		MAJOR	MAJOR	MINOR	AEC	MINOR(PRACTICAL)	
	SEM V			DSE	DSE	CORE	CORE	T/R/S
FRIDAY	SEM I		MAJOR	MINOR	SEC	MAJOR(PRACTICAL)		
	SEM III		MAJOR	MAJOR	MINOR	MD	MAJOR (PRACTICAL)	
	SEM V		DSE	DSE	CORE	CORE	T/R/S	
SATURDAY	SEM I		MAJOR	MINOR	SEC	T/R/S		
	SEM III		MAJOR	MAJOR	MINOR	MD	T/R/S	
	SEM V		DSE	DSE	CORE	CORE		

Please assign teachers name against the T/R/S classes after completion at least eight weeks classes.

Signature of

HOD

Convener

Principal

Please provide the following information also.

1) Name of Teacher –

2) P Day-

3) Total allotted classes of individual Teacher's Semi- Sem III- Sem-V

BANWARILAL BHALOTIA COLLEGE
MASTER ROUTINE SCIENCE EVEN SEMESTER 2024

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
DAYS								
MONDAY	SEM II		MAJOR	MINOR	MD	MAJOR(PRACTICAL)		
	SEM IV		CORE	GE	CORE	CORE	HONS (PRACTICAL)	
	SEM VI		DSE	DSE	CORE	CORE	HONS (PRACTICAL)	
TUESDAY	SEM II		MAJOR	MINOR	MD	MINOR PRACTICAL		
	SEM IV	SEC	CORE	GE	CORE	CORE	GE (PRACTICAL)	
	SEM VI			DSE	DSE	CORE	CORE	T/R/S
WEDNESDAY	SEM II		MAJOR	MINOR	MD	MAJOR(PRACTICAL)		
	SEM IV		CORE	GE	CORE	CORE	HONS (PRACTICAL)/T/R/S	
	SEM VI		DSE	DSE	CORE	CORE	HONS (PRACTICAL)	
THURSDAY	SEM II		MAJOR	MINOR	SEC	MINOR PRACTICAL		
	SEM IV	SEC	CORE	GE	CORE	CORE	GE(PRACTICAL)	
	SEM VI			DSE	DSE	CORE	CORE	T/R/S
FRIDAY	SEM II		MAJOR	MINOR	SEC	VAC R-107	MAJOR(PRACTICAL)	
	SEM IV		CORE	GE	CORE	CORE	HONS (PRACTICAL)/T/R/S	
	SEM VI		DSE	DSE	CORE	CORE	HONS(PRACTICAL)	
SATURDAY	SEM II		T/R/S	T/R/S	MINOR PRACTICAL			
	SEM IV	SEC	CORE	GE	CORE	CORE	GE(PRACTICAL)	
	SEM VI		DSE	DSE	CORE	CORE	T/R/S	

Signature of HOD

Convener

Principal

Please provide the following information also.

1) Name of Teacher –

2) P Day-

3) Total allotted classes of individual Teacher's SemII- Sem IV- Sem-VI

Class Routine for Morning Shift (ARTS)

7:00 - 8:00		8:00 - 9:00			9:00 - 10:00			10:00 - 11:00			11
SEM III	SEM V	SEM I	SEM III	SEM V	SEM I	SEM III	SEM V	SEM I	SEM III	SEM V	SEM I
ENG (SN) R-223 SNSK R-221	HIST-SS R-107	HIST-SS R-107	URDU (TP) R-216 BNG (RDT) R-201 HIN (MLB)	PHIL-R-218 ECO (MB) R-219	POL.SC. (MM) R-301	HIST-SS R-107	URDU (TP) R-216 BNG (RDT) R-201 HIN (MLB)217	PHIL-R-218 ECO (MB) R-217	POL.SC. (MM) R-301	ENG (SN) R-223 SNSK R-221	HIN (AS) ENG (SN) R-217 SNSK R-201
ENG (SN) R-223 SNSK R-221	HIST-SS R-107	HIST-SS R-107	URDU (TP) R-216 BNG (SB) R-201 HIN (NR)	PHIL-R-218 ECO (MB) R-219	POL.SC. (DS) R-301	HIST-SG R-107	URDU (TP) R-216 BNG (SB) R-201 HIN GE (AS)217	PHIL-R-218 ECO (MB) R-217	POL.SC. (DS) R-301	ENG (SN) R-223 SNSK R-201	ENG (SN) R-318 SNSK R-201
ENG (SN) R-223 SNSK R-221	POL.SC. (MM) R-301	HIST-SG R-107	BNG (RDT) R-201 HIN (MLB)	PHIL-R-218 ECO R-219	POL.SC. (MM) R-301	HIST-SG R-107	BNG (RR) R-201 HIN (AS)217	PHIL-R-218 ECO R-217	POL.SC. (MM) R-301	ENG (SN) R-223 SNSK R-201	HIN MIL (AS) ENG (SN) R-318 SNSK R-201
7:00 - 8:00		8:00 - 9:00			9:00 - 10:00			10:00 - 11:00			11
SEM III	SEM V	SEM I	SEM III	SEM V	SEM I	SEM III	SEM V	SEM I	SEM III	SEM V	SEM I
ENG (SN) R-223 SNSK R-221	POL.SC. (DS) R-301	HIST-SG R-107	URDU (TP) R-216 BNG (RR) R-201 HIN (MLB)	PHIL-R-218 ECO (MB) R-219	POL.SC. (DS) R-301	HIST-SG R-107	URDU (TP) R-216 BNG GE (RDT) R-201 HIN (NR)217	PHIL-R-218 ECO (MB) R-217	POL.SC. (DS) R-301	ENG (SN) R-223 SNSK R-201	ENG (SN) R-318 SNSK R-201

ENG R-223 SNSK R-221	HIST-SS R-107	HIST-SS R-107	BNG (RR) R-201 HIN (MLB)	PHIL-R-218 ECO R-219	POL.SC. (DS) R-301	HIST-SS R-107	BNG GE (RR) R-201 HIN GE (AS)217	PHIL-R-218 ECO (MB) R-217	POL.SC. (MM) R-301	ENG R-223 SNSK R-201	ENG R-318 SNSK R-201
ENG R-223 SNSK R-221	POL.SC. (DS) R-301	HIST-SG R-107	URDU (TP) R-216 BNG (SB) R-201 HIN (NR)	PHIL-R-218 ECO R-219	POL.SC. (DS) R-301	HIST-SG R-107	URDU GE (TP) R-216 BNG GE (SB) R-201 HIN GE (AS)217	PHIL-R-218 ECO R-217	POL.SC. (MM) R-301	ENG R-223 SNSK R-201	URDU MIL (TP) (online) HIN MIL (NR) ENG R-223 SNSK R-201

NOTE: MIL Bengali, Hindi classes will be via online mode from 12N-1.00 PM as per the schedule given below

Day	12.00-1.00(Online Mode)		
	Bengali	Hindi	English
MON	First sem (S.B)		
TUE	Third sem (R.D.T)		
WED	First sem (R.D.T)		
THUR	First sem (R.R)		
FRI	Third sem (R.R)		
SAT	Third sem (S.B)		

ENVS for BA and BSc Program students will be on Tuesday at 2pm to 3pm via online mode

Master Routine for odd Semester, Day Shift (Arts) 2024-25

Day	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MON	I		MAJOR	MINOR	MD	T/R/S		
	III		MAJOR	MAJOR	MINOR	MD		
	V				CORE	CORE	DSE	T/R/S
TUE	I		MAJOR	MINOR	MD	T/R/S		
	III		MAJOR	MAJOR	MINOR	AEC	T/R/S	
	V				CORE	CORE	DSE	DSE
WED	I		MAJOR	MINOR	MD	MIL		
	III		MAJOR	MAJOR	MINOR	AEC		
	V				CORE	CORE	DSE	DSE
THU	I		MAJOR	MINOR	SEC	MIL		
	III		MAJOR	MAJOR	MINOR	AEC	T/R/S	
	V				CORE	CORE	DSE	DSE
FRI	I		MAJOR	MINOR	SEC	MIL		
	III		MAJOR	MAJOR	MINOR	MD		
	V				CORE	CORE	DSE	DSE
SAT	I		MAJOR	MINOR	SEC	MIL		
	III		MAJOR	MAJOR	MINOR	MD		
	V				CORE	DSE	DSE	T/R/S

Please assign teachers name against the T/R/S classes after completion at least eight weeks classes.

Signature of

HOD

Convener

Principal

1) Name of Teacher –

2) P Day-

3) Total allotted classes :

SemI:- Sem III: Sem-V:.....

Master Routine for Even Semester, Day Section (Arts)

Day	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MON	II		MAJOR	MINOR	MD	VAC		
	IV		CORE	GE	CORE	CORE		
	VI			CORE	CORE	DSE	DSE	T/R/S
TUE	II		MAJOR	MINOR	MD	VAC		
	IV		CORE	GE	CORE	CORE	SEC	T/R/S
	VI			CORE	CORE	DSE	DSE	
WED	II		MAJOR	MINOR	MD	VAC		
	IV		CORE	GE	CORE	CORE		
	VI			CORE	CORE	DSE	DSE	T/R/S
THU	II		MAJOR	MINOR	SEC	VAC		
	IV		CORE	GE	CORE	CORE	SEC	T/R/S
	VI			CORE	CORE	DSE	DSE	
FRI	II		MAJOR	MINOR	SEC	VAC		
	IV		CORE	GE	CORE	CORE		
	VI			CORE	CORE	DSE	DSE	
SAT	II		VAC	T/R/S	T/R/S	T/R/S		
	IV		CORE	GE	CORE	CORE		
	VI			CORE	CORE	DSE	DSE	

1) Name of Teacher –

2) P Day-

3) Total allotted classes SemII- Sem IV- Sem-VI

Signature of

HOD

Convener

Principal

**ROUTINE FOR ODD SEMESTERS 2023 ONWARDS
DEPARTMENT OF PHYSICS**

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00	
DAYS									
MONDAY	SEM I		MINOR KKD (R-212)	MD KKD (R-223)	MIL	MAJOR (PRACTICAL) KKD (R-213)			
	SEM III	KM Jr (C-7) (R-207)		GE KM (R-212)			Thermal Physics-I Lab (C-6) RKR (R-212)		
	SEM V	AG (C11) Seminar (R-206)		SM (C-12) Seminar (R-206)		Quan Mech Lab KM & AG (R-203)			
TUESDAY	SEM I	MAJOR AB (R-212)		MD SM (R-223)	MIL	Remedial Major KM / AB (R-203)	Remedial Major JKM / AG (R-203)		
	SEM III	SEC JKM, AG, SSM	SSM (C5) (R-212)	GE SSM (R-212)		RKR (C6) (R-212)	GE PRACTICAL KKD (R-213)		
	SEM V		KM Jr (DSE 1) Seminar (R-206)			AG (C-11) Seminar (R-206)			
WEDNESDAY	SEM I	MAJOR JKM (R-212)	MINOR JKM (R-212)	MD KM (R-223)	MINOR (PRACTICAL) AG & AB (R-213)				
	SEM III		SEC KM, PG, KM Jr	GE SM (R-212)	PG (C-7) (R-212)	Analog Electr Lab(C-7) KM (R-203)			
	SEM V		KKD (C11) Seminar (R-206)			DSE2 SSM Seminar (R-206)	Quan Mech Lab KM Jr & SSM (R-203)		
THURSDAY	SEM I	MAJOR AG (R-212)	MINOR AB (R-212)	SEC PG, KM, RKR, AG	MAJOR (PRACTICAL) JKM (R-213)				
	SEM III	SEC KKD, RKR, SM, AB	Tutorial SM (R-203)	GE KM Jr (R-212)	KKD (C5) (R-212)		GE PRACTICAL PG (R-213)		
	SEM V		JKM (DSE2) Seminar (R-206)			AB (C12) Seminar (R-206)	Quan Mech Lab KKD & SM (R-203)		
FRIDAY	SEM I	MAJOR KM (R-212)	MINOR RKR (R-212)	SEC KM Jr, SM, SSM	MINOR (PRACTICAL) RKR (R-213)				
	SEM III				SSM(C6) (R-212)		Analog Electr Lab(C-7) JKM (R-203)		
	SEM V		AB (DSE1) Seminar (R-206)			SM (DSE1) Seminar (R-206)	Thermal Physics-I Lab (C-6) SM (R-212)		
SATURDAY	SEM I		SEC JKM, KKD, AB	MAJOR (PRACTICAL) SSM (R-213)					
	SEM III						GE PRACTICAL RKR (R-213)		
	SEM V			JKM(DSE2) Seminar (R-206)					

(Details of the MIL classes will be provided by the respective Department)

N.B. Remedial classes may be taken in alternate week / as per convenience, if necessary

Signature of

KD
01/9/2023
HOD

phomny
1/9/23
Convener

AB
Principal

Department of Physics (UG & PG)
B.B. College, Asansol-713303 (W.B.)

**ROUTINE FOR EVEN SEMESTERS 2024
DEPARTMENT OF PHYSICS**

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
DAYS								
MONDAY	SEM II		MAJOR XXXX	MINOR XXXX	MD XXXX	MAJOR (PRACTICAL) KKD		
	SEM IV		CORE XXXX	GE XXXX	KM (CC-10) (R-212)		Digital Electronics Lab (KM Jr)	
	SEM VI		AG (DSE-4) Seminar (R-206)		CORE XXXX	CORE XXXX	Wave Optics Lab (SM)	
TUESDAY	SEM II		MAJOR AB (R-212)	MINOR AB (R-212)	MD XXXX	MINOR (PRACTICAL) XXXX		
	SEM IV	SEC SM, SSM, AG	CORE XXXX	GE SM (R-212)	RKR (CC-9) (R-212)		GE PRACTICAL (SM)	
	SEM VI		KM (CC-13) Seminar (R-206)		JKM (DSE-3) Seminar (R-206)		KKD TUTORIAL Seminar (R-206)	
WEDNESDAY	SEM II		MAJOR JKM (R-212)	MINOR SSM (R-212)	MD XXXX	MAJOR (PRACTICAL) AG		
	SEM IV		CORE XXXX	GE AG (R-212)	AB (CC-9) (R-212)		Digital Electronics Lab (KM)	
	SEM VI		DSE XXXX	DSE XXXX	SSM (CC-13) Seminar (R-206)		Wave Optics Lab (KKD)	
THURSDAY	SEM II		MAJOR JKM (R-212)	MINOR AG (R-212)	SEC PG, KM Jr	MINOR (PRACTICAL) AG		
	SEM IV	SEC KM, JKM, KM Jr	CORE XXXX	GE KM Jr (R-223)	SM (CC-8) (R-212)		GE PRACTICAL (KM)	
	SEM VI		KKD (CC-13) Seminar (R-206)		RKR (CC-14) Seminar (R-206)		JKM TUTORIAL Seminar (R-206)	
FRIDAY	SEM II		MAJOR SSM (R-212)	MINOR RKR (R-212)	SEC KM, JKM, SSM	VAC R-107	MAJOR (PRACTICAL) AB	
	SEM IV		PG (CC-10) (R-212)	GE AB (R-212)	KM Jr (CC-8) (R-212)		Digital Electronics Lab (KM Jr)	
	SEM VI		DSE XXXX	AG (DSE-4) Seminar	SM (CC-14) Seminar (R-206)		Wave Optics Lab (JKM)	
SATURDAY	SEM II		REMEDIAL SSM(R-212)	REMEDIAL AB(R-212)	MINOR (PRACTICAL) SSM			
	SEM IV	SEC RKR, KKD, AB	CORE XXXX	GE XXXX	CORE XXXX	CORE XXXX	GE PRACTICAL(RKR)	
	SEM VI		KKD (DSE-4) Seminar (R-206)		RKR (DSE-3) Seminar(R-206)	RKR TUTORIAL		

N.B. Remedial classes may be taken in alternate week / as per convenience, if necessary

Signature of

[Signature]
08/02/2024
HOD

[Signature]
12/2/24
Convener

Principal

Political Science Even Semester routine, Day Section 2024 (Arts)

Day	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MON	II		MAJOR R.M R-103	MINOR U.J. R-103	MD U.J. R-103			
	IV		C-10 U.J R-104	GE R.M R-302				
	VI				C-3 R.M R-104	DSE-4 U.J. R-103		T/R/S
TUE	II		MAJOR R.M R-103	MINOR R.M R-103	MD K.K R-103			
	IV		C-10 U.J R-104	GE U.J. R-302				
	VI	DSE-4 U.J. R-103	DSE-3 D.B New-Room	C-14 K.K R-104	DSE-3 D.B R-104	C-3 R.M R-104	C-3 D.B R-103	C-8 D.B R-103
WED	II		MAJOR D.B R-103	MINOR R.M R-103	MD K.K R-103			
	IV		SFC R.M R-104	GE U.J. R-302	C-8 D.B R-104	C-10 U.J R-103	C-9 K.K R-103	
	VI		C-14 K.K New-Room	C-3 R.M R-104	DSE-4 U.J. New-Room	DSE-3 D.B R-104		T/R/S
THU	II		MAJOR D.B R-103	MINOR R.M R-103	SFC K.K R-103	VAC R-107		
	IV		C-9 K.K. R-104	GE U.J. R-302	C-8 D.B New-Room	C-10 U.J R-103		T/R/S C-9 K.K R-103
	VI		DSE-4 U.J. New-Room	C-14 K.K R-104	C-13 R.M R-104	DSE-3 D.B R-104		
FRI	II		MAJOR D.B R-103	MINOR K.K R-103	SFC K.K R-103			
	IV		C-9 K.K R-103		C-8 D.B New-Room	C-10 U.J R-103		
	VI							
SAT	II				T/R/S	T/R/S		
	IV		C-9 K.K R-104	C-10 R.M R-103	SFC R.M R-103	C-8 D.B R-104	C-8 D.B R-104	
	VI		DSE-4 U.J R-104	DSE-3 D.B R-104		C-14 K.K R-104	DSE-4 U.J R-104	

1) Name of Teachers – Dr. Kakali Kundu(K.K) No. OF Classes-16, Dulal Barui (D.B) No. OF Classes-16
 Dr. Umar Jalees Moniri (U.J), No. OF Classes-16, Kaungji Mandat(R.M), No. OF Classes-16

2) P Day- (Mon) (Mon) (Sat) (Fri)
 Dr. Kakali Kundu(K.K), Dulal Barui (D.B), Dr. Umar Jalees Moniri (U.J), Kaungji Mandat(R.M)

Umar Jalees
 Signature of HOD
 Convener
 3) Total allotted classes SemII - 15 Sem IV- 24+1 Sem- VI 24

Principal

Political Science Routine for Odd Semester, Day Section (Arts) 2023

Day	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MON	I	MAJOR UJ R-103	MINOR KAI R-103	MID UJ R-103				
	III			GE KAI R-302	C-8 UJ R-103	C-6 KAI R-103		
	V	C-12 KAI R-104	C-11 UJ R-104	MID UJ R-103				
TUE	I	MAJOR UJ R-103	MINOR KAI R-103	MID UJ R-103				
	III			GE KAI R-302	C-5 UJ R-103	C-6 KAI R-103	C-7 DIB R-103	
	V	C-12 KAI R-104	C-11 UJ R-104	DSE-1 DIB R-104	DSE-2 KAI R-104	DSE-1 DIB R-104		
WED	I	MAJOR DIB R-103	MINOR UJ R-103	MID KAI R-103	MIL			
	III	SEC KAI R-104		GE KAI R-302	C-7 DIB R-103	C-5 UJ R-103	C-6 KAI R-103	
	V		C-12 KAI R-104		DSE-2 KAI R-104	DSE-1 DIB R-104	C-11 UJ R-104	
THU	I	MAJOR DIB R-103	MINOR KAI R-103	SEC KAI R-103	MIL			
	III			GE KAI R-302	C-7 DIB R-103	C-5 UJ R-103	C-6 KAI R-103	C-5 KAI R-103
	V	C-11 UJ R-104	DSE-2 KAI R-104		C-12 UJ R-104	DSE-1 DIB R-104		
FRI	I		MINOR KAI R-103	SEC KAI R-103	MIL			
	III	SEC KAI R-103	C-5 UJ R-104	C-7 DIB R-302		C-6 DIB R-103		
	V	C-11 UJ R-104			DSE-1 DIB R-104			
SAT	I	C-11 UJ R-104			DSE-1 DIB R-104	C-12 KAI R-104	DSE-2 DIB R-103	
	III	MAJOR DIB R-103	MAJOR KAI R-103	MIL				
	V	SEC KAI R-104	C-7 KAI R-103	GE KAI R-103	DSE-2 KAI R-104	C-6 KAI R-103		

Umar Jaleel

Adnan

H. Ramani

Signature of **Department Head** Political Science

Convener

Principal

Faculty Names: Dr. K. Ravi College, Asanoli, Datta Barati (D.B), Dr. Umar Jaleel Moniri (U.J), Ramajit Mandat(RAI)

Department of Commerce [Evening Shift], BB College, Asansol
Class-Routine for the Session 2023-2024 (July to December) -1st, 3rd & 5th Semester

Monday

Commerce [Evening Shift]

Time→ Classes ↓		11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00	4:00-5:00	5:00-6:00
1 st Sem	B.Com (H) Gr-I		Fin. Acct TM/201	MIL-Hindi-S.M/201	Prin. of Mgt. SM/201	---	Acct. for All **/** [Applicable for other Discipline]	Tutorial/Remedial
	B.Com (H) Gr-II	MIL-II **/**	Fin. Acct SR/301	MIL-Beng-SC/301 MIL-Eng-**/**	Entp. Dev VA/301	---		Tutorial/Remedial
	B.Com (P)	MIL-Beng [AEC] SB/107	Fin. Acct SR/301	MIL-Urdu-IIQ/311	Entp. Dev VA/301	---		Tutorial/Remedial
3 rd Sem	B.Com (H) Gr-I		I.Tax L&P SM/218	Bus. Stat JS/218	HRM SR/107	Mgt. P. & App TM/107	E-Commerce **/**	
	B.Com (H) Gr-II		I.Tax L&P SM/218	Bus. Stat JS/218	HRM SR/107	Mgt. P. & App TM/107	E-Commerce **/**	
	B.Com (P)		I.Tax L&P SM/218	Company Law VA/107	---	---	---	
5 th Sem	B.Com (H) Gr-I-Acct		---	---	Mgt. Acct. TM//218	Fund. of F.Mgt. SM/218	Prin. of Mkt. SR/218	
	B.Com (H) Gr-II-Fin		---	---	Fin. Mkt. **/**	Fund. of F.Mgt. SM/218	Prin. of Mkt. SR/218	
	B.Com (P)		---	---	Mgt. Acct. TM/218	Prin of Micro Eco AS /220	---	

Tuesday

Commerce [Evening Shift]

Time→ Classes ↓		11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00	4:00-5:00	5:00-6:00
1 st Sem	B.Com (H) Gr-I		Fin. Acct DH/201	MIL-Hindi -AP/201	Entp. Dev VA/201	---	Acct. for All/ Tutorial Class TM/201 [Applicable for other Discipline] To be adjusted	
	B.Com (H) Gr-II	MIL **/**	Fin. Acct TM/301	MIL-Beng-BM/301 MIL-Eng-**/**	Micro Economics SM/301	Prin. of Mgt BS/201		
	B.Com (P)	MIL-Beng [AEC] RDT/107	Fin. Acct TM/301	MIL-Urdu-**/**	Micro Economics SM/301	Prin. of Mgt BS/201		
3 rd Sem	B.Com (H) Gr-I		Mgt. P. & App SM/218	HRM BS/218	E-Commerce DH/107	Mgt. P. & App DH/301	HRM SM/301	Tutorial/Remedial
	B.Com (H) Gr-II		Mgt. P. & App SM/218	HRM BS/218	E-Commerce DH/107	Mgt. P. & App DH/301	HRM SM/301	Tutorial/Remedial
	B.Com (P)	MIL-II-Eng [7-8AM] SN/223	MIL-II-Hindi **/**	Company Law VA/220	---	---	---	Tutorial/Remedial
5 th Sem	B.Com (H) Gr-I-Acct		---	---	Adv. Fin Acct TM/218	Prin. of Mkt. SM/218	Fund. of F.Mgt. BS/218	
	B.Com (H) Gr-II-Fin		---	---		Prin. of Mkt. SM/218	Fund. of F.Mgt. BS218	
	B.Com (P)		---	---	Adv. Fin Acct TM/218	Prin of Micro Eco S.Mallik/219	Ent. Development AA/221	

Head
Department of Commerce

Convener
Routine sub-committee

Principal

Department of Commerce [Evening Shift], BB College, Asansol
Class-Routine for the Session 2023-2024 (July to December) -1st, 3rd & 5th Semester

Time→ Classes ↓		Commerce [Evening Shift]						
		11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00	4:00-5:00	5:00-6:00
1 st Sem	B.Com (H) Gr-I		Fin. Acct BS/201	Prin. of Mgt SR/201	Prin. of Mgt TM/201	---	Acct. for All/ Tutorial Class BS/301 [Applicable for other Discipline] To be adjusted	
	B.Com (H) Gr-II		Fin. Acct DH/301	Entp. Dev VA/301	Prin. of Mgt SR/301	---		
	B.Com (P)		Fin. Acct DH/301	Entp. Dev VA/301	Prin. of Mgt SR/301	---		
3 rd Sem	B.Com (H) Gr-I		Bus. Stat JS/218	I.Tax L&P DH/218	E-Commerce **/**	---	---	
	B.Com (H) Gr-II		Bus. Stat JS/218	I.Tax L&P DH/218	E-Commerce **/**	---	---	
	B.Com (P)	MIL-II-Eng [7-8AM] SN/223	MIL-II-Beng RDT/111	I.Tax L&P DH/218	Company Law VA/220	---	---	
5 th Sem	B.Com (H) Gr-I-Acct		---	---	Adv. Fin Acct BS/218	Fund-of F.Mgt. TM/218	Mgt. Acct. DH/218	Tutorial/Remedial
	B.Com (H) Gr-II-Fin		---	Adv. Fin. Mgt. BS/107	Adv. Fin. Mgt. DH/107	Fund-of F.Mgt. TM/218	Fin. Mkt. SR/201	Tutorial/Remedial
	B.Com(P)		---	---	Adv. Fin Acct BS/218	Prin of Micro Eco **/**	Mgt. Acct. DH/218	Tutorial/Remedial
Time→ Classes ↓		Commerce [Evening Shift]						
		11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00	4:00-5:00	5:00-6:00
1 st Sem	B.Com (H) Gr-I		Fin. Acct SM/201	Entp. Dev VA/201	---	Prin. of Mgt VA/201	---	
	B.Com (H) Gr-II		Fin. Acct BS/301	Micro Economics DH/301	---	---	---	
	B.Com (P)	MIL-Hindi [AEC] 217/MB	Fin. Acct BS/301	Micro Economics DH/301	---	---	---	
3 rd Sem	B.Com (H) Gr-I		---	I.Tax L&P SR/107	Bus. Stat KB/107	---	---	
	B.Com (H) Gr-II		---	I.Tax L&P SR/107	Bus. Stat KB/107	---	---	
	B.Com (P)	MIL-II-Urdu **/**	MIL-II-Urdu **/**	I.Tax L&P SR/107	Company Law VA/220	---	---	
5 th Sem	B.Com (H) Gr-I-Acct		---	Mgt. Acct. BS/218	Adv. Fin Acct DH/218	---	---	
	B.Com(H) Gr-II-Fin		Adv. Fin. Mgt. DH/218	---	Fin. Mkt. SM/201	Adv. Fin. Mgt. SR/218	Fin. Mkt. BS/218	
	B.Com(P)		---	Mgt. Acct. BS/218	Adv. Fin Acct DH/218	Prin of Micro Eco. SM/220	Ent. Dev. SR/220	

Department of Commerce [Evening Shift], BB College, Asansol
Class-Routine for the Session 2023-2024 (July to December) -1st, 3rd & 5th Semester

Friday

Commerce [Evening Shift]

Time→ Classes ↓		11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00	4:00-5:00	5:00-6:00
1 st Sem	B.Com (H) Gr-I	---	Micro Economics DH/201	Prin. of Mgt BS/201	---	Acct. for All/ Tutorial Class DH/107 [Applicable for other Discipline] To be adjusted	---	
	B.Com (H) Gr-II	---	---	Fin. Acct SM/301	Prin. of Mgt VA/301		---	
	B.Com (P)	---	---	Fin. Acct SM/301	Prin. of Mgt VA/301		---	
3 rd Sem	B.Com (H) Gr-I	---	---	---	Mgt. P. & App BS/201	Bus. Stat KB/301	HRM DH/301	
	B.Com (H) Gr-II	---	---	---	Mgt. P. & App BS/201	Bus. Stat KB/301	HRM DH/301	
	B.Com (P)	MIL-II-Hindi [9-10AM] NR/	MIL-II-Beng RR/107	Computer App. TM/Com Lab	Computer App. TM/Com Lab			
5 th Sem	B.Com (H) Gr-I-Acct	----	---	---	Fund-of F.Mgt. DH/218	Mgt. Acct. SM/218	Prin. of Mkt. TM/218	
	B.Com(H) Gr-II-Fin	----	---	---	Fund of F.Mgt. DH/218	Adv. Fin. Mgt. BS/201	Prin. of Mkt. TM/218	
	B.Com(P)	----	---	---	--	Mgt. Acct. SM/218	Ent. Dev BS/201	

Saturday

Commerce [Evening Shift]

Time→ Classes ↓		11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00	4:00-5:00	5:00-6:00
1 st Sem	B.Com (H) Gr-I		Micro Economics SM/201	Fin. Acct SR/201	---	---	---	
	B.Com (H) Gr-II		Prin. of Mgt TM/301	Prin. of Mgt SM/301	---	---	---	
	B.Com (P)	MIL-Urdu-[AEC] 216/TP	Prin. of Mgt TM/301	Prin. of Mgt SM/301	---	---	---	
3 rd Sem	B.Com (H) Gr-I		I.Tax L&P BS/218	E-Commerce TM/218	Mgt. P. & App SR/218	---	---	
	B.Com (H) Gr-II		I.Tax L&P BS/218	E-Commerce TM/218	Mgt. P. & App SR/218	---	---	
	B.Com (P)	Computer App. DH/Com Lab	Computer App. DH/Com Lab	---	---	---	---	
5 th Sem	B.Com (H) Gr-I-Acct		---	---	---	---	Adv. Fin Acct SR/218	
	B.Com(H) Gr-II-Fin		---	Adv. Fin. Mgt **/**	---	Fin. Mkt. TM/218	Adv. Fin. Mgt. **/201	
	B.Com(P)		---	---	---	Prin of Micro Eco SM/219	Adv. Fin Acct SR/218	

Head
Department of Commerce

Convener
Routine sub-committee

Principal

Day-wise Work Load

	SM		BS		DH		TM		SR			
Monday	3						3		3			
Tuesday	3		4		3		3					
Wednesday			3		4		2		3			
Thursday	3		3		3				3			
Friday	2		3		4		3					
Saturday	3		1		2		3		3			
	14		14		16		14		12			

Summary of Classes allotted to Prof. Vikram Agarwal

Classes	Time→ Classes ↓	12:00-1:00	1:00-2:00	2:00-3:00	3:00-4:00
Monday	B.Com (H)-Gr-I				
	B.Com(H)-Gr-II			Entp. Dev VA/301	
	B.Com-Prog-Eve +Hindi		Company Law VA/107		
Tuesday	B.Com (H)-Gr-I			Entp. Dev VA/201	
	B.Com(H)-Gr-II				
	B.Com-Prog-Eve +Hindi		Company Law VA/220		
Wednesday	B.Com (H)-Gr-I				
	B.Com(H)-Gr-II		Entp. Dev VA/301		
	B.Com-Prog-Eve +Hindi			Company Law VA/220	
Thursday	B.Com (H)-Gr-I		Entp. Dev VA/201		Prin. of Mgt VA/201
	B.Com(H)-Gr-II				
	B.Com-Prog-Eve +Hindi			Company Law VA/220	
Friday	B.Com (H)-Gr-I				
	B.Com(H)-Gr-II			Prin. of Mgt VA/301	
	B.Com-Prog-Eve +Hindi				
Saturday	B.Com (H)-Gr-I				
	B.Com(H)-Gr-II				
	B.Com-Prog-Eve +Hindi				

6TH SEM PROG-COMBINED CLASSES

	3-4	4-5
MONDAY	Prin of Micro Eco Saroj Mahato /220	Ent. Dev AA/220
TUESDAY	Prin of Micro Eco AA/219	Ent. Development AA/221
THURSDAY	Prin of Micro Eco SM/220	Ent. Dev SR/220
FRIDAY		Ent. Dev BS/201
SATURDAY	Prin of Micro Eco SM/219	

DEPARTMENT OF CHEMISTRY, BANWARILAL BHALOTIA COLLEGE, ASANSOL

(For 1st, 3rd and 5th Semester: July to December)

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-05:00
DAYS							
MONDAY	SEM I	MAJOR MCM (R-108)	MINOR SR (R-108)	MD	MIL	RS KI (R-111)	
	SEM III		CORE MCM (R-110)	GE SM (R-110)	CORE SR (R-110)	CORE SR (R-110)	HONS (PRACTICAL)/T/R/S SKM
	SEM V		DSE SKM (R-121)	DSE SR (R-121) PROG-KL (R-108)	CORE SM (R-121)	CORE SM (R-121)	HONS (PRACTICAL)/T/R/S SM
TUESDAY	SEM I	MAJOR SR (R-108)	MINOR SH (R-108)	MD	MIL	RS AKD (R-111)	
	SEM III	SEC KI (R-110) PROG-MCM (R-121)	CORE SM (R-110)	GE SKM (R-110)	CORE SH (R-110)	CORE SH (R-110)	GE (PRACTICAL) BD
	SEM V		DSE KL (R-121)	DSE KI (R-121)	CORE MCM (R-121)	CORE BD (R-121)	T/R/S AKD SKM JG
WEDNESDAY	SEM I	MAJOR BD (R-108)	MINOR KI (R-108)	MD	MINOR (PRACTICAL) AKD		
	SEM III		CORE AKD (R-110) PROG-PPM (R-318)	GE KI (R-110)	CORE JG (R-110)	CORE JG (R-110)	HONS (PRACTICAL)/T/R/S JG
	SEM V		DSE MCM (R-121)	DSE SH (R-121) PROG-PPM (R-108)	CORE SR (R-121)	CORE SR (R-121)	HONS (PRACTICAL)/T/R/S SR
THURSDAY	SEM I	MAJOR JG (R-108)	MINOR JG (R-108)	SEC SKM (R-111)	MAJOR (PRACTICAL) SR		
	SEM III	SEC SH (R-110) PROG-PPM (R-121)	CORE MCM (R-110)	GE MCM (R-110) PROG-PPM (R-108)	CORE AKD (R-110)	CORE BD (R-110)	GE (PRACTICAL) SH
	SEM V	PROG-MCM (R-318)	DSE SM (R-121)	DSE AKD (R-121)	CORE JG (R-121)	CORE JG (R-121)	T/R/S SR BD KI
FRIDAY	SEM I	MAJOR SM (R-108)	MINOR (T) AKD (R-108)	SEC SH (R-111)	MINOR (PRACTICAL) JG		
	SEM III	PROG-PPM (R-110)	CORE SM (R-110)	GE AKD (R-110)	CORE KI (R-110)	CORE KI (R-110)	HONS (PRACTICAL)/T/R/S KI
	SEM V		DSE SH (R-121)	DSE SKM (R-121)	CORE BD (R-121)	CORE BD (R-121)	HONS (PRACTICAL)/T/R/S BD
SATURDAY	SEM I	MAJOR (T) PPM (R-108)	SEC (T) SH (R-108)	MAJOR (PRACTICAL) MCM			
	SEM III		CORE BD (R-110)	GE SH (R-110)	CORE SKM (R-110)	CORE SKM (R-110)	GE (PRACTICAL) SKM
	SEM V		DSE JG (R-121) PROG-PPM	DSE AKD (R-121)	CORE SM (R-121)	CORE SM (R-121)	T/R/S SM MCM SH

- Tutorial, Remedial and Special classes will be taken by any of the mentioned Teacher depending on the requirement.
- 75% Attendance both in Theory and Practical Classes is mandatory to be eligible for appearing in the CIE.
- Regarding MD (Multidisciplinary) and MIL (Modern Indian Language) courses, necessary information will be circulated later.

AKD: Dr. Ashis Kumar Dutta
JG: Dr. Jyotirmoy Ghosh

SKM: Dr. Sudip Kumar Mukhopadhyay
SM: Dr. Sutanuva Mandal
SH: Mr. Sugen Hansda

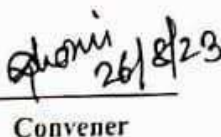
PPM: Mr. Patit Paban Malik
BD: Dr. Binita Dutta
MCM: Dr. Mithun Chandra Majee

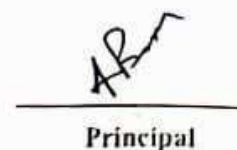
SR: Dr. Snigdha Roy
KI: Dr. Keya Layek

Signature of


HOD

Head
Department of Chemistry
Banwarilal Bhalotia College, Asansol
Ushagram, Asansol-713303


Convener


Principal

DR. AMITAVA BASU
Principal, B. B. College
Ushagram, Asansol, P Bardhaman
West Bengal - 713303

PROVISIONAL ROUTINE (Day Section) 2023-2024

DEPARTMENT OF CHEMISTRY, BANWARILAL BHALOTIA COLLEGE, ASANSOL.

(EVEN SEMESTERS: January to June, 2024)

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
DAYS								
MONDAY	SEM II		MAJOR SR (R-108)	MINOR (R-108) SR	MD (R-108) SKM	MAJOR (PRACTICAL) KL (Mr. Arup Mondal)		
	SEM IV		CORE MICM (R-110)	GE SKM (R-110)	CORE MICM (R-110)	CORE SR (R-110)	HONS (PRACTICAL)/T/R/S SKM (Mr. Arup Chatterjee)	
	SEM VI		HONS (PRACTICAL)/T/R/S SM (Mr. Arup Mondal)		DSE KL (R-121)	CORE SM (R-121)	CORE SM (R-121)	CORE MICM (R-121)
TUESDAY	SEM II		MAJOR SM (R-108)	MINOR MICM (R-108)	MD JG (R-108)	MINOR (PRACTICAL) SKM (Mr. Arup Chatterjee)		
	SEM IV	SEC SR (R-110)	CORE SH (R-110)	GE AKD (R-110)	CORE SR (R-110)	CORE SM (R-110)	GE (PRACTICAL) BD (Mr. Arup Mondal)	
	SEM VI			DSE BD (R-121)	DSE MICM (R-121)	CORE KL (R-121)	CORE KL (R-121)	T/R/S SKM
WEDNESDAY	SEM II		MAJOR KL (R-108)	MINOR BD (R-108)	MD MICM (R-108)	MAJOR (PRACTICAL) PPM (Mr. Arup Mondal)		
	SEM IV		CORE AKD/JG (R-110)	GE KL (R-110)	CORE JG (R-110)	CORE JG (R-110)	HONS (PRACTICAL)/T/R/S JG (Mr. Arup Chatterjee)	
	SEM VI		HONS (PRACTICAL)/T/R/S SR (Mr. Arup Chatterjee)		CORE SR (R-121)	CORE SR (R-121)	DSE SH (R-121)	DSE AKD (R-121)
THURSDAY	SEM II		MAJOR SKM (R-108)	MINOR SH (R-108)	SEC SR (R-108)	MINOR (PRACTICAL) BD (Mr. Arup Chatterjee)		
	SEM IV	SEC SM (R-110)	CORE SH (R-110)	GE MICM (R-110)	CORE BD (R-110)	CORE AKD/SR (R-110)	GE (PRACTICAL) SH (Mr. Arup Mondal)	
	SEM VI			DSE SKM (R-121)	DSE AKD/SM (R-121)	CORE JG (R-121)	CORE JG (R-121)	T/R/S KL/MICM
FRIDAY	SEM II		MAJOR PPM (R-108)	MINOR JG (R-108)	SEC JG (R-108)	YAC (R-107)	MAJOR (PRACTICAL) SH (Mr. Arup Mondal)	
	SEM IV		CORE SM (R-110)	GE SM (R-110)	CORE KL (R-110)	CORE KL (R-110)	HONS (PRACTICAL)/T/R/S KL (Mr. Arup Chatterjee)	
	SEM VI		HONS (PRACTICAL)/T/R/S BD (Mr. Arup Mondal)		CORE BD (R-121)	CORE BD (R-121)	DSE SKM (R-121)	DSE SR (R-121)
SATURDAY	SEM II		T/R/S PPM/SH	T/R/S SM/BD	MINOR (PRACTICAL) MICM (Mr. Arup Chatterjee)			
	SEM IV	SEC BD (R-110)	CORE SH (R-110)	GE SH (R-110)	CORE BD (R-110)	CORE SKM (R-110)	GE (PRACTICAL) SKM (Mr. Pradip)	
	SEM VI		DSE JG (R-121)	DSE MICM (R-121)	CORE SM (R-121)	CORE SH (R-121)	T/R/S MICM/SH	

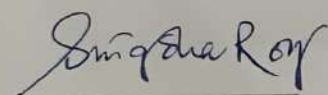
- * Tutorial, Remedial and Special classes will be taken by any of the mentioned Teacher depending on the requirement.
- * 75% Attendance both in Theory and Practical Classes is mandatory to be eligible for appearing in the CIE.

AKD: Dr. Ashis Kumar Dutta
JG: Dr. Jyotirmoy Ghosh

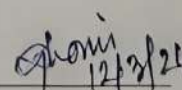
SKM: Dr. Sudip Kumar Mukhopadhyay
SM: Dr. Sutanuva Mandal
SH: Mr. Sagen Hansda

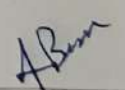
PPM: Mr. Patit Paban Malik
BD: Dr. Binita Dutta
MICM: Dr. Mithun Chandra Majee

SR: Dr. Smigdha Roy
KL: Dr. Keya Layek



HOD
12/03/24


12/3/24
Convener


Principal

DEPARTMENT OF BUSINESS ADMINISTRATION
B.B. COLLEGE, ASANSOL
PROVISIONAL ROUTINE

DAY	Semester	11AM-12NOON	12NOON 1PM	1PM-2PM	2PM-3PM	3PM - 4PM
	MONDAY	I		BSTAT (GH)	ECO (BPG)	PMOB (SD)
III		FM (GH)	RETAIL (PG)	CFA (SD)	MM (BPG)	
V			IR (SD)	TAX/SCM (GH/PG)	IB (PG)	SDM (BPG)
TUESDAY	I		ECOMMERCE (BPG)	PMOB (PG)		
	III		CFA (SD)	MM (BPG)	RETAIL (PG)	
	V	IR (SD)	IB (PG)	BLAW (SD)	SDM (BPG)	
WEDNESDAY	I		ECOMMERCE (PG)	ECO (BPG)		
	III		FM (GH)	RETAIL (BPG)	BMATH (GH)	
	V		SDM (BPG)	TAX/SCM (GH/PG)	IB (PG)	
THURSDAY	I			PMOB (PG)	BSTAT (GH)	
	III		CFA (SD)	FM (GH)	MM (PG)	
	V	IR (SD)	TAX(GH)	BLAW (SD)		SDM (PG)
FRIDAY	I		PMOB (SD)	BSTAT (GH)	ECO (BPG)	
	III		FM (GH)	RETAIL (BPG)	CFA (SD)	
	V	TAX (GH)	SCM (BPG)	BLAW (SD)		
SATURDAY	I		PMOB (PG)	Tutorial (GH)	ECO (BPG)	
	III	CE (SD)	BMATH (GH)	CA (BPG)		MM (BPG)
	V	TAX (GH)	BLAW (SD)	IR/SCM (SD/PG)	IB (PG)	

**DEPARTMENT OF BUSINESS ADMINISTRATION
B.B. COLLEGE, ASANSOL
PROVISIONAL ROUTINE**

DAY	Semester	11AM-12NOON	12NOON 1PM	1PM-2PM	2PM-3PM	3PM – 4PM
MONDAY	II		OB (SD)	ACCOUNTS (GH)	BCOM (BPG)	
	IV		FIN MKT/OR (GH/BPG)	HRM (SD)	PMM (PG)	
	VI		ED (PG)	MS/PROJECT (BPG/PG)	CMA/PROJECT (GH/SD)	
TUESDAY	II			OB (SD)	BCOM (BPG)	
	IV		HRM (SD)	BENV (BPG)	PMM (PG)	
	VI		ED (PG)	PROJECT (PG)	HRD (SD)	MS(BPG)
WEDNESDAY	II		OB (PG)	BCOM (BPG)	ACCOUNTS(GH)	
	IV	BR (PG)	FIN MKT (GH)	PMM (PG)	BENV (BPG)	
	VI		MS(BPG)	CMA (GH)		
THURSDAY	II		ACCOUNTS (GH)	OB (SD)	MIL (PG)	
	IV		HRM(SD)	PMM (PG)	OR (GH)	
	VI		ED (PG)	CMA (GH)	HRD (SD)	
FRIDAY	II		OB (SD)	ACCOUNTS(GH)		
	IV		FIN MKT/OR (GH/BPG)	HRM (SD)	BENV (BPG)	
	VI	PROJECT(GH) / HRD (SD)		MS(BPG)		
SATURDAY	II		ACCOUNTS (GH)	OB (PG)	BCOM (BPG)	
	IV	OR (GH)	HRM (SD)	QUANT/BR (BPG/SD)	PMM (PG)	BENV (BPG)
	VI	HRD (SD)	ED (PG)	CMA (GH)		

**GH – MR. GUNAMOY HAZRA
SD- DR. SOUVIK DUTTA**

**BPG – MR. BUDDHA PRASAD GHATAK
PG – MR. PARTHA GHOSH**

Department Of
Computer Science
Routine For 2022-
23(Odd+Even
Semester)

**DEPARTMENT OF COMPUTER SCIENCE (ROOM NO. - 101 AND LAB ROOM [LR]) Routine
For Odd Semester**

TIMINGS		10:00 - 11:00	11:00 - 12:00	12:00- 01:00	01:00- 02:00	02:00- 03:00	03:00-04:00
DAYS							
MONDAY	SEM I		ENVS (107)		CORE (SK) (101)		HONS (PRACTICAL)/T/R/S (AT)(LR)
	SEM III			CORE (SK) (101)	CORE(AT) (LR)	HONS (PRACTICAL) (SK) (LR)	
	SEM V			DSE(AT) (LR)		CORE(AT) (101)	
TUESDAY	SEM I				CORE(AT) (LR)	CORE(SK) (101)	
	SEM III			SEC (SK)(LR)		CORE(AT) (LR)	
	SEM V			DSE(AT) (101)	CORE(SK) (101)		HONS (PRACTICAL) (AT) (LR)
WEDNESDAY	SEM I					CORE(AT)(LR)	HONS (PRACTICAL)/ T/R/S (SM) (LR)
	SEM III			CORE (AT) (LR)	CORE (SM) (LR)		
	SEM V		DSE (SK) (LR)	DSE (SM) (101)	CORE(AT) (101)	CORE(SM) (101)	
THURSDAY	SEM I						CORE (SM) (101)
	SEM III			HONS (PRACTICAL) (AT) (LR)	CORE(AT) (101)	CORE(SM) (101)	
	SEM V		HONS (PRAC TICAL) (SK) (LR)	DSE (SK) (101)	CORE(SM)(LR)	CORE(AT)(LR)	DSE(AT) (LR)
FRIDAY	SEM I				CORE (SM) (LR)		
	SEM III					SEC(SM) (LR)	
	SEM V			DSE (SM) (LR)			HONS (PRACTICAL)/T/R/S (SM) (LR)
SATURDAY	SEM I						
	SEM III				CORE (SM) (LR)		HONS (PRACTICAL) (SM) (LR)
	SEM V			DSE (SM) (LR)		CORE(SM) (LR)	

***(Details of the GE classes will be provided by the respective Department)**

-AT - Mr. Arpan Tewary

-SK - Mr. Samrat Kundu

-SM - Mrs. Sutapa Majee

**Remarks: 50% attendance is mandatory. 40% internal marks for each paper will be on attendance & class performance.

DEPARTMENT OF COMPUTER SCIENCE (ROOM NO. - 101 AND LAB ROOM)
ROUTINE FOR EVEN SEMESTER

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00
DAYS							
MONDAY	SEM II					CORE201 PR. (AT)	
	SEM IV			CORE402 PR. (SK)	CORE403 (AT)	CORE402 (SK)	
	SEM VI		CORE602 PR. (SK)	CORE601 (AT)			DSE602 (AT)
TUESDAY	SEM II				CORE201 (AT)	CORE202 (SK)	
	SEM IV					CORE403 PR. (AT)	
	SEM VI		DSE602(SK)	DSE602 (AT)	CORE602 (SK)		CORE601 (AT)
WEDNESDAY	SEM II				CORE401 (SM)	CORE201 (AT)	
	SEM IV			CORE403 (AT)		CORE401 (SM)	CORE402 (SK)
	SEM VI		DSE603(SM)	DSE604 (SM)	CORE601 PR. (AT)		
THURSDAY	SEM II				CORE202 (SM)	CORE201 (SK)	
	SEM IV			CORE401 (SM)	CORE403 (AT)		CORE403 (AT)
	SEM VI		DSE604(SM)	DSE602(AT)		CORE601 (AT)	CORE602 (SK)
FRIDAY	SEM II				CORE202 (SM)		
	SEM IV					SEC401 (SM)	
	SEM VI		DSE603 (SM)	DSE604(SM)			
SATURDAY	SEM II						
	SEM IV				CORE401 (SM)	SEC401 (SM)	
	SEM VI		DSE603 (SM)	DSE604(SM)			

***(Details of the GE classes will be provided by the respective Department)**

~SM - Mrs. Sutapa Majee

~SK - Mr. Samrat Kundu

~AT - Mr. Arpan Tewary

ROUTINE - BOTANY HONOURS ODD SEMESTER ROUTINE (LOCF), B.B. COLLEGE+PR, KNU, ASANSOL (JULY-DEC)-2023								
Day	Sems	R. No.	10.00-11.00	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-5.00
Mon	Sem I	309	MAJOR-SM	MINOR-SP	MD-CB	MIL	R/S	
	Sem III	325	SEC-(TH)-SPD	GE-(TH)-CB		CC-(TH)-CB	CC-(TH)-SM	CC-(P)-CB/SP
	Sem V	324		DSE-(TH)-SM	DSE-(TH)-SM	CC-(TH)-SP	CC-P-SP	DSE-2-P-SM
Tue	Sem I	309	MAJOR-SBS	MINOR-SM	MD-SP/SBS	MIL	R/S	
	Sem III	325	CC-(TH)-AM	GE-(TH)-SSD	SEC-(TH)-SM/SPD	CC-(TH)-SP	CC-(TH)-SP	GE-P-AM/SM
	Sem V	324		DSE-IV-(TH)-AM	DSE-(TH)-AM	CC-(TH)-SPD	CC-(TH)-SSD	CC-P-AM
Wed	Sem I	309	MAJOR-SPD	MINOR-SPD	MD-SSD/SM	MINOR(PRAC) SSD/SP		
	Sem III	325	CC-(TH)-SSD	GE-(TH)-AM		CC-(TH)-AM	CC-(TH)-AM	CC-P-SSD/AM
	Sem V	324		DSE (TH)-SP	DSE-(TH)-SP	CC-(TH)-SPD	CC-(TH)-SPD	CC-P-SP
Thu	Sem I	309	MAJOR-CB	MINOR-SSD	SEC-SBS	MAJOR (PRAC)SM/SPD		
	Sem III	325	CC-(TH)-SP	GE-(TH)-SM	SEC-(TH)-SPD	CC-(TH)-CB	CC-TH-SSD	GE-SSD/CB
	Sem V	324		DSE-1(P)-AM		CC-(TH)-SSD	CC-(TH)-AM	CC-P-SPD
Fri	Sem I	309	MAJOR-SSD	MINOR (T)CB	SEC-SBS	MINOR (PRAC) SM/SPD		
	Sem III	325	SEC -(TH)-SM	GE-(TH)-SBS		CC-(TH)-SSD	CC-(TH)-SSD	CC P- AM/SBS
	Sem V	324		DSE-(P)-SM		CC-(TH)-AM	CC-(TH)-AM	CC-P-SSD/SPD
SAT	Sem I	309	MAJOR (T)-SP	SEC(T) SBS	MAJOR (PRAC)-SSD/SP			
	Sem III	325	CC-TH-CB	GE--SSD		CC-(TH)-SBS	CC-(TH)-AM	GE-P-CB/SBS
	Sem V	324		DSE-(P)-SP	CC-(TH)-SSD	DSE-AM	CC-(TH)-SP	T/R/S

*TH → THEORY; P → PRACTICAL

CC - CORE COURSE, SEC - SKILL ENHANCEMENT COURSE, DSE - DISCIPLINE SPECIFIC ELECTIVE COURSE, GE+PR - GE+PRNERAL ELECTIVE, PR - PROGRAM, (TH)-THEORY, P - PRACTICAL. ALL PRACTICALS WILL BE IN TWO GROUPS CONDUCTED BY TWO TEACHERS; ABBREVIATIONS: SP- DR.SANJEEV PANDEY, CB-DR. CHANCHAL Kr. BISWAS, AM-DR. ANIMESH MONDAL, SSD-DR. SIDDHARTH SINGH DEO, SPD- DR. SABINA PRADHAN, SBS-DR. SUNRIT BASU SARBADHIKARI, SM- ASST. PROF. SUCHETA MANDAL

B.Sc. Semester I, III, & V, Odd Semester Routine, PG Dept. Of Zoology-2023

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-05:00
DAYS							
MONDAY	SEM I	MJR PD 302	MIN SP 302	MD AD 311	MIL	MJR/S AD 302	
	SEM III		CC VI AD 313	GE3 SP 302	CC VI SC 302	CC V PD 311	
	SEM V		DSE1 SC 311	CCXI PD 313	CC XII AD 313		HONS (PRACTICAL) CCXI/CCXII/DSE1 PD 312 (LAB II)
TUESDAY	SEM I	MJR KM 302	MIN AG 311	MD RG 302	MIL	MJR/S RM 302	
	SEM III	CCVII AG 311	SEC 1 RG 302	GE3 SP 311	CC VI SC 302	CC V PD 311	GE 3 (PRACTICAL) RG 312 (LAB 2)
	SEM V		DSE 2 AD 313	DSE 1 SC 313	CC XI KM 313	CC XII SC 313	HONS(PRACTICAL) DSE1 SC 312(LAB I)
WEDNESDAY	SEM I	MJR SL 302	MIN SP 311	MD PD 313	MINOR PRAC KM+SP 312 (LAB I)		
	SEM III	CCVII SC 311	CCVII RM 302	GE3 RG 311	CC V SL 311	CC V KM 311	HONS (PRACTICAL) CC VII(GR1+2) SL+SC+RM 312 (LAB II)
	SEM V		CCXII AD 313	DSE 1 SC 302	CC XI AG 313	CC XII SL 302	HONS (PRACTICAL) CC XI(GR1+2) KM+AD 312(LAB I)
THURSDAY	SEM I	MJR RG 302	MIN KM 302	MJR/SEC SC 302	MAJOR PRAC. PD+AD 312 (LAB I)		
	SEM III	SEC 1 AD 311	CC VII AG 311	GE3 SP R4 311	CCV KM 311	CC VI SC 311	GE 3(PRACTICAL) RG 312(LAB I)
	SEM V		CCXI SL 313	CCXI PD 313	CC XI SC 313	DSE1/ CC XII SP 313	HONS (PRACTICAL) CCXII(GR1+2) AD+SL+SC 312 (LAB II)

FRIDAY	SEM I	MJR AG 302	MIN AG 311	SEC AD 302	MINOR PRAC. SL+RG 312 (LAB I)		
	SEM III	CC V AD 311	CC VII SL 313	GE 3 RG 313	CC VI AD 311	CCVII RM 302	HONS (PRACTICAL)/T/R/S CCV/CCVI(GR1+2) PD+AG 312 (LAB II)
	SEM V		DSE 2/CCXI I RM 302	DSE 1 SC 311	CC XI AG 313	CCXI AG 313	HONS(PRACTICAL)/T/R /S DSE 2/CCXI(GR1+2) RM 312 (LAB I)
SATURDAY	SEM I	MJR SL 302	SEC RM 302	MAJOR PRAC. KM+RM 312 (LAB I)			
	SEM III		CC VII AG 313	GE 3 RG 313	CC VI AG 302	CC V KM 302	
	SEM V		DSE1 SL 311	DSE1 AG 302	CC XII KM 313		

MJR= MAJOR; MIN= MINOR; MD= MULTIDISCIPLINARY;

Principal
Banwarilal Bhalotia College
Asansol



R. Ghosh
Head of the Department
Post Graduate Department of Zoology
Banwarilal Bhalotia College

**B.Sc. Semester II, IV, & VI, Even Semester Routine, PG Dept. Of Zoology-
2024**

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-05:00
DAYS							
MONDAY	SEM II		MJR PD 302	MIN SP 302	MD	MJR-2 AD 302	
	SEM IV		CC-9 SC 302	GE-4 SCH 311	CC -8 PD 302	CC-9 ZJ 311	HONS (PRACTICAL) CC-10 ZJ
	SEM VI		DSE4 AD 313	CC-13 ZJ 313	CC-14 SC 313	DSE 4 SC 313	HONS (PRACTICAL) CC-13/DSE-4 PD/SC 312 (LAB II)
TUESDAY	SEM II		MJR-2 KM 302	MINOR 2 SCH 302	MD	MJR-2 SL 302	MJR-2T AG 313
	SEM IV	CC-10 SC 302	CC-9 AD 313	GE 4 SP 302	CC-10 ZJ 302	CC -8 PD 302	GE 4 (PRACTICAL) AG/PD 312 (LAB II)
	SEM VI	CCXI V RM 313	CC XIII SC 311	DSE 3 RM 313	DSE 4 AD 313	CC XIV KM 313	HONS(PRACTICAL) DSE 4 RG/AD 312 (LAB III)
WEDNESDAY	SEM II		MJR-2 SL 302	MINOR-2 AG 302	MD	MAJOR (PRACTICAL) PD+AD 312 (LAB 1)	
	SEM IV	CCIX AG 313	SEC 2 RG 311	CCX SC 311	CC VIII SL 311	CC IX AD 311	HONS (PRACTICAL)/T/R/S CC IX AD/SL 312 (LAB II)
	SEM VI	DSE 4 RG 311	DSE 3 SC 311	CC XIV SL 313	CCXI V RM 313	CC XIV ZJ 313	HONS (PRACTICAL)/T/R/S CCXIII ZJ+AG 312 (LAB III)
THURSDAY	SEM II	MJR-2 RG 302	MINOR-2 SP 302	SEC/MJR KM 302	MINOR (PRACTICAL) KM+SP 312 (LAB 1)		SEC-2 SL 302
	SEM IV	CC X AG 302	GE 4 AG 302	GE 4 SP	CC X KM 311	CC VIII ZJ 311	GE 4(PRACTICAL) AG 312(LAB II)

	SEM VI	DSE 4 AD 313	DSE 3 SL 311	CC XIV SC 313	CC XIII ZJ 313	DSE 4 RG 313	HONS (PRACTICAL) CCXIV RG+SC 312 (LAB III)
FRIDAY	SEM II		MJR-2 ZJ 302	MINOR-2 AG 302	SEC PD	VAC R-107	MJR-PRACTICAL AD
	SEM IV	CCIX KM 302	CC IX SL 311	GE 4 KM 302	CC IX AD 311	CC IX SC 311	HONS (PRACTICAL) CCVIII/CCIX PD/AG 312 (LAB II)
	SEM VI		DSE-3 AD	CC XIII AD 313	CCXI V KM 313	CC XIV ZJ 313	HONS (PRACTICAL) DSE-3 KM+SL 312 (LAB III)
SATURDAY	SEM II		SEC SL				MINOR (PRACTICAL) KM+SL 312 (LAB I)
	SEM IV		CC IX/CC X AG 311	GE KM 302	CCIX /SEC2 RM 302		GE (PRACTICAL) 312 (LAB I)
	SEM VI		DSE4 RG 302	DSE4 RG 302	CC XIV AG 313	CC XIII AG 313	HONS (PRACTICAL)/T/R/S CCXIII AG 302

MJR= MAJOR; MIN= MINOR; MD= MULTIDISCIPLINARY;

Principal

Convener


Head of the Department

ROUTINE - BOTANY HONOURS EVEN SEMESTER ROUTINE 2024), B.B. COLLEGE+PR, KNU, ASANSOL (JAN-JUN)								
Day	Sems	R. No.	10.00-11.00	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-5.00
Mon	Sem II	309		MAJOR-SPD	MINOR-CB	MD-CB/SP	MAJOR PRACTICAL SM/CB/SP/SPD	
	Sem IV	325		CC-(TH)-CB	GE-(TH)-SPD	CC-(TH)-SPD	CC-(TH)-SM	CC-(P)-SP/SPD
	Sem VI	324		DSE-(Pr)-SM	DSE-(TH)-SP	DSE-(TH)-SM	CC-P-CB	TUTORIAL
Tue	Sem II	309		MAJOR-AM	MINOR-SP	MD-SM	MINOR PRACTICAL SSD/SP/AM	
	Sem IV	325	SEC-(TH)-SBS	CC-(TH)-SM	GE-(TH)-AM	CC-(TH)-SP	CC-(TH)-SPD	GE+PR-P-SPD/AM
	Sem VI	324			DSE-SSD	DSE--SBS	CC-(TH)-AM	T/R/S
Wed	Sem II	309		MAJOR-SBS	MINOR-SSD	MD-SSD	MAJOR(PRAC) SSD/AM/SBS	
	Sem IV	325		CC-(TH)-SM	GE-(TH)-SPD	CC-(TH)-SP	CC-(TH)-SSD/SP	CC-P-SM
	Sem VI	324		DSE-AM	DSE-(P-PR)-SBS	CC-(TH)-AM	CC-(TH)-SPD	CC-P-SP
Thu	Sem II	309		MAJOR-CB/SP	MINOR-SPD/SBS	SEC-SPD	MINOR (PRAC)SM/CB/SPD	
	Sem IV	325	SEC-(TH)-SBS	CC-(TH)-SSD	GE-(TH)-AM	CC-(TH)-AM	CC-TH-CB	GE+PR-P-SPD/AM
	Sem VI	324		DSE--SBS	DSC-(TH)-SP	CC-(TH)-SP	CC-AM	CC--P-AM
Fri	Sem II	309		MAJOR-SSD	MINOR-SM/AM	SEC-SM	VAC-R-107	MAJOR P-SM/CB
	Sem IV	325		CC-(TH)-SM	GE-SPD	CC-(TH)-AM	CC-(TH)-SM	CC.P-SSD/AM
	Sem VI	324		DSE--AM	DSE- SBS	CC-(TH)-SSD	CC-(TH)-AM	CC-P--SBS/SSD
Sat	Sem II	309		TRS	TRS	MINOR PRACTICAL SP/AM/SBS		
	Sem IV	325	SEC-(TH)-CB	CC-TH-SSD	GE-AM	CC-SSD	CC-CB	GEPR-AM
	Sem VI	324		DSE-(TH)-AM	DSE-P-SBS	CC-(TH)-CB	CC-(TH)-X	Practical cc

*TH → THEORY; P → PRACTICAL; PR → PROGRAM

CC - CORE COURSE, SEC - SKILL ENHANCEMENT COURSE, DSE - DISCIPLINE SPECIFIC ELECTIVE COURSE, GE+PR - GE+PRNERAL ELECTIVE, PR - PROGRAM, (TH)-THEORY, P – PRACTICAL. ALL PRACTICALS WILL BE IN TWO GROUPS CONDUCTED BY TWO TEACHERS; ABBREVIATIONS: SP- DR.SANJEEV PANDEY, CB- DR. CHANCHAL Kr. BISWAS, AM-DR. ANIMESH MONDAL, SSD-DR. SIDDHARTH SINGH DEO, SPD- DR. SABINA PRADHAN, SBS-DR. SUNRIT BASU SARBADHIKARI, SM- ASST. PROF. SUCHETA MANDAL

ROUTINE - BOTANY HONOURS ODD SEMESTER LOCF+NEP (JULY-DEC)

Day	Sems	R. No.	11.00-12.00	12.00-1.00	1.00-2.00	2.00-3.00	3.00-4.00	4.00-5.00
MON	Sem I	309	MAJOR-SPD	MINOR-SP	MD-SM/CB	MIL	R/S	
	Sem III	325	MAJOR-CB	MAJOR-SPD	MINOR-SPD	MD-SM	MAJOR (PR)-CB/SP	
	Sem V	324	DSE-(TH)-SM	DSE-(TH)-SM	CC-(TH)-SP	CC-P-SP	DSE (PR)-SM	
TUE	Sem I	309	MAJOR-SBS	MINOR-SM	MD-SP/SBS	MIL	MINOR-PR-SBS/SP	
	Sem III	325	MAJOR-SSD	MAJOR-SP	MINOR-SM	AEC	MINOR (PR) SM/SSD	
	Sem V	324	DSE-AM	DSE-AM	CC-SPD	CC-SSD	TRS	
WED	Sem I	309	MAJOR-SM	MINOR-SPD	MD-SSD	MAJOR(PR) SSD/SBS/SP		
	Sem III	325	MAJOR-AM	MAJOR-SBS	MINOR-SBS	AEC	TRS	
	Sem V	324	DSE--SP	DSE--SP	CC--SPD	CC--SPD	CC-P-SP	
THU	Sem I	309	MAJOR-CB	MINOR-SSD	SEC-SBS	MINOR (PR) SM/SPD/SBS		
	Sem III	325	MAJOR-SP	MAJOR-SM	MINOR-SP	AEC	MINOR (PR) SP/AM/CB	
	Sem V	324	DSE--AM	DSE-AM	CC-SSD	CC-SSD	TRS	
FRI	Sem I	309	MAJOR-SSD	MINOR-CB	SEC-SBS	MAJOR (PR) CB/SPD/SM		
	Sem III	325	MAJOR-SBS	MAJOR-AM	MINOR-SSD	MD-SSD/CB	MAJOR (PR) SBS/SSD	
	Sem V	324	DSE-SM	DSE-SM	CC--AM	CC-AM	CC (PR)-SSD/SPD	
SAT	Sem I	309	MAJOR-SP	MINOR-SBS	SEC-SBS			
	Sem III	325	MAJOR-CB	MAJOR-SSD	MINOR-CB	MD—SBS/CB	TRS	
	Sem V	324	DSE-SSD	CC-SP	DSE-SBS	CC--AM	TRS	

*TH → THEORY; P → PRACTICAL

CC - CORE COURSE, SEC - SKILL ENHANCEMENT COURSE, DSE - DISCIPLINE SPECIFIC ELECTIVE COURSE

ABBREVIATIONS: SP- DR.SANJEEV PANDEY, CB-DR. CHANCHAL Kr. BISWAS, AM-DR. ANIMESH MONDAL, SSD-DR. SIDDHARTH SINGH DEO, SPD- DR. SABINA PRADHAN, SBS-DR. SUNRIT BASU SARBADHIKARI, SM- ASST. PROF. SUCHETA MANDAL

**B.Sc. Honours Semester II, IV, & VI, Even Semester Routine, P.G. Dept. Of
Zoology 2023**

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-05:00
DAYS							
MONDAY	SEM II				CC IV ZJ 302	CC IV PD 302	
	SEM IV				CC VIII PD 311	CC X ZJ 311	HONS (PRACTICAL)/T/R/S CC X ZJ 312 (LAB I)
	SEM VI		AD DSE 3 313	CC XIII/CCXIV PD 302	CC XIII AD 313	AD CCXIV 302	HONS (PRACTICAL)/T/R/S CC XIII/ DSE4/DSE3 PD 312 (LAB II)
TUESDAY	SEM II			GE 2 KM 302	CC IV AG 302	CC III SL 302	GE 2 (PRACTICAL) SL/SC 312 (LAB I)
	SEM IV	CCX AG 302	GE 4 KM 302	SEC 2 RG 311	CC IX ZJ 311	CC VIII PD 311	GE 4 (PRACTICAL) KM/PD 312 (LAB II)
	SEM VI	CCXIV ZJ 313	CC XIII SC 311	DSE 4 AD 313	DSE 3 KM 313	CC XIV KM 313	HONS(PRACTICAL)/T/R/S DSE 4 RG/AD 312 (LAB III)
WEDNESDAY	SEM II			GE 2 SP 302	CC III AD 302	CC III RG 302	HONS (PRACTICAL)/T/R/S CCIV PD / SC 312 (LAB I)
	SEM IV		GE 4 SP 302	CCX SC 311	CC VIII SL 311	CC IX SL 311	HONS (PRACTICAL)/T/R/S CC IX AD/SL 312 (LAB II)
	SEM VI	DSE 4 RG 311	DSE 3 SL 311	CC XIV SL 313	CCXIV RM 313	CC XIV ZJ 313	HONS (PRACTICAL)/T/R/S CCXIII ZJ+AG 312 (LAB III)
THURSDAY	SEM II			GE 2 KM 302	CC IV SC 302	CC IV PD 302	GE 2 (PRACTICAL) SP/RG 312 (LAB I)
	SEM IV		GE 4 SP 302	SEC 2 RG 311	CC X KM 311	CC VIII ZJ 311	GE 4(PRACTICAL) AG/KM 312(LAB II)
	SEM VI		CC XIV SC 311	DSE 3 SL 313	CC XIII ZJ 313	DSE 4 RG 313	HONS (PRACTICAL) CCXIV/DSE3 SL/SC 312 (LAB III)

Am
DR. AMITAJA BASU
Principal, B. B. College
Bagram, Asansol, P. Bardhaman
West Bengal - 713303

P. Ghosh
Head
P.G. Department of Zoology
B. B. College, Asansol

FRIDAY		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-05:00
SEM II			CCIII RG 311	GE2 SP 302	CC III/CC IV KM 302	CC III AD 302	HONS (PRACTICAL)/T/R/S CC III SC/SL 312 (LAB I)
SEM IV	CCIX KM 302	GE 4 KM 302	CC IX SL 311	CC IX AD 311	CC IX SC 311	HONS (PRACTICAL)/T/R/S CCVIII/CCIX PD/AG 312 (LAB II)	
SEM VI		DSE 4 SL 311	CC XIII AD 313	CCXIV RM 313	CC XIV ZJ 313	HONS(PRACTICAL)/T/R/S DSE 3 AD/KM 312 (LAB III)	
SATURDAY			CC3 RG 302	GE 2 KM 311	CC IV SP 311	CC IV SC 311	
SEM IV	CC IX/CCX AG 311	GE 4 SP 313	CCIX/SEC2 RM 302	CC VIII SC 302	CC X KM 302		
SEM VI		DSE 4 SC 311	DSE4 RG 302	CC XIV AG 313	CC XIII AG 313	HONS (PRACTICAL)/T/R/S CCXIII AG 302	

A. Basu
DR. AMITAVA BASU
 Principal, B. B. College
 Ushagram, Asansol, P. Bardhaman
 West Bengal - 713302

P. Ghosh
 Head
 P.G. Department of Zoology
 B. B. College, Asansol

B.Sc. Honours Semester I, III, & V, Odd Semester Routine, PG Dept. Of Zoology-2022

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-05:00
DAYS							
MONDAY	SEM I				CC I ZJ 302	CC II PD 302	
	SEM III				CC V PD 311	CC VI ZJ 311	HONS (PRACTICAL) CC VI ZJ 312 (LAB I)
	SEM V		DSE I ZJ 302	CC XI PD 302	CC XII AD 313		HONS (PRACTICAL) CC XI/CC XII/DSE I PD 312 (LAB II)
TUESDAY	SEM I			GE I AG 302	CC I AG 302	CC II/CC I SL 302	GE I (PRACTICAL) KM 312 (LAB I)
	SEM III	CC VII AG 302		SEC I RG 311	CC VI ZJ 311	CC V PD 311	GE 3 (PRACTICAL) RG 312 (LAB 2)
	SEM V		DSE 2 AD 313	DSE I ZJ 313	CC XI KM 313	CC XII SC/RM 313	HONS (PRACTICAL) DSE I SC/ZJ 302
WEDNESDAY	SEM I			GE I SP 302	CC I AD 302	CC I RG 302	HONS (PRACTICAL) CC II PD/AD 312 (LAB I)
	SEM III	CCV KM 302	GE 3 RG 302		CC V SL 311	CC VII SC 311	HONS (PRACTICAL) CC VII SC/RM/SL 312 (LAB II)
	SEM V		DSE 2/CC XII RM 311	DSE I ZJ 313	CC XI AG 313	CC XII SL 313	HONS (PRACTICAL) CC XI KM/ZJ 302
THURSDAY	SEM I			GE I AG 302	CC II PD 302	CC I SC 302	GE I (PRACTICAL) SP 312 (LAB 1)
	SEM III		GE 3 SP 302	SEC I AD 311	CCV KM 311	CC VI ZJ 311	GE 3 (PRACTICAL) RG 312 (LAB)
	SEM V		CC XI SL 311	CC XI PD 313	CC XI SC 313	CC XII AD 313	HONS (PRACTICAL) CC XI AD/SL/SC 312 (LAB III)
	SEM I		ENVS	GE I SP	CC I KM	CC II AD	HONS (PRACTICAL) T/R/S CC I

FRIDAY	SEM III	CC V AD 302	GE 3 RG 302	302	CC VII SL 311	CC VI AD 311	312 (LAB I) HONS (PRACTICAL)/T/R/S CCV/CCVI PD/AG 312 (LAB II)
	SEM V		DSE2 RM 311	DSE 1 SC 302	CC XI ZJ 313	CC XII AG 313	HONS(PRACTICAL)/T/R/S DSE 2 AD/RM 312 (LAB III)
SATURDAY	SEM I		CCI RG 302	GE 1 KM 311	CC I RM 311	CC II SC 311	GE (PRACTICAL) VACANT
	SEM III	CC VI AG 311	GE 3 SP. 313	CCVII RM 313	CC VI SC 302	CC V KM 302	GE3(PRACTICAL) VACANT 312
	SEM V		DSE1 AG 302	DSE1 SL 302	CC XI KM 313	DSE1/CC XII SP 313	T/R/S AG/SC 302

REMARKS:AS PER DECISION TAKEN IN THE TEACHERS' COUNCIL, 50% ATTENDANCE IN THEORETICAL CLASSES AND 75% ATTENDANCE IN PRACTICAL CLASSES IS COMPULSORY FOR STUDENTS, FAILING WHICH 40% WILL BE DEDUCTED FROM INTERNAL EXAMINATIONS. FOR A 10 MARK EXAMINATION IF THE STUDENT GETS 5, HE OR SHE WILL BE GIVEN 3.

Department of Bengali (Morning Section)

(বাংলা প্রাতঃ বিভাগ)

Routine for Odd Semester (Morning Section) Room No –
201(Program) Room -107 (MIL)

Time Days	1 st Sem 7A.M- 8A.M	3 rd Semester 8A.M-9A.M	5 th Sem 9A.M-10A.M	MIL 12P.M- 1P.M
Monday	Program BENG R.D.T	Program BENG S.B	Program R.D.T	MIL 1 st S.B
Tuesday	Program BENG S.B	Program BENG R.D.T	Program/SEC S.B	MIL -3 rd sem R.D.T
Wednesday	Program BENG R.R	SEC BENG R.D.T	Program/SEC R.R	MIL- 1 st Sem R.D.T
Thursday	Program BENG R.D.T	Program BENG R.R	GE BENG R.D.T	MIL 3 rd Sem R.R
Friday	Program BENG S.B	SEC BENG R.R	GE BENG S.B	MIL – 1 st sem R.R
Saturday	Program BENG R.R	SEC BENG S.B	GE BENG R.R	MIL -3 rd sem S.B

S.B – Dr. Subhashis Banerjee

R.D.T – Smt . Rituparna Dey Tarafder

R.R – Dr. Ritwik Roy

Department of Bengali (Morning Section)

(বাংলা প্রাতঃ বিভাগ)

Routine for even Semester (Morning Section) Room No –
201(Program) Room -107 (MIL)

Time Days	2 nd Sem 7A.M- 8A.M	4 th Semester 8A.M-9A.M	6 th Sem 9A.M-10A.M	MIL 12P.M- 1P.M
Monday	Program BENG R.D.T	Program BENG S.B	GE/SEC R.D.T	MIL- 2 nd sem S.B
Tuesday	Program BENG S.B	Program BENG R.D.T	Program/SEC S.B	MIL- 2 nd sem R.D.T
Wednesday	Program BENG R.R	SEC BENG R.D.T	Program/SEC R.R	MIL- 2 nd Sem R.D.T
Thursday	Program BENG R.D.T	Program BENG R.R	GE BENG R.D.T	MIL -2 nd Sem R.R
Friday	Program BENG S.B	SEC BENG R.R	GE BENG S.B	MIL -2 nd sem R.R
Saturday	Program BENG R.R	SEC BENG S.B	GE BENG R.R	MIL -2 nd sem S.B

S.B – Dr. Subhashis Banerjee

R.D.T – Smt . Rituparna Dey Tarafder

R.R – Dr. Ritwik Roy

**DEPARTMENT OF GEOGRAPHY, HINDI SHIFT
BANWARILAL BHALOTIA COLLEGE, ASANSOL
ODD SEMESTER ROUTINE, 2023**

DAYS	SEM	TIME						
		09:00-10:00	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00
MON	I	MAJOR-MP R-322		MINOR	MD-SV R-321	MIL	R/S	
	III		CT-SV R-323	CT-SV R-323	GE	CP-MP R-326		
	V			CT-MP R-326	CT-MP R-326	CT-SV R-323		
TUE	I	SEC Pr-MP R-322	SEC Pr-MP R-322	MINOR	MD-SN R-321	MIL		
	III	CP-SV R-326	CP-SV R-326	CP-SN R-326	GE			
	V			CP-SV R-323	CT-MP R-323	CT-SN R-322	CT-SN R-322	
WED	I	SEC Pr-SV R-322	SEC Pr-SV R-322	MINOR	MD-MP R-321			
	III		CT-SN R-323	SEC-SN R-323	GE	CT-MP R-321		
	V	CP-MP R-320	CP-MP R-320		CT-SN R-322		CT-SV R-321	R/S -SN
THU	I	MAJOR-SN R-322	MAJOR-SV R-323	MINOR				
	III			CT-SN R-321	GE	CP-SV R-323		
	V		CP-SN R-326	CT-SV R-326	CP-SV R-326			
FRI	I	SEC Pr-SN R-322	SEC Pr-SN R-322	MINOR				
	III			CT-SN R-323	GE	SEC-MP R-323	CT-MP R-323	
	V			CT-MP R-326	CP-SN R-326			CTu -MP
SAT	I	MAJOR-SN R-322		MAJOR-MP R-321				
	III		CT-SN R-323		GE	CTu-MP		
	V			CTu-SN	CT-MP R-326			

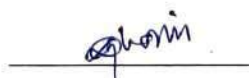
P Day: MP- Thursday, SN- Monday & SV- Friday, Saturday
MP: 18 classes (16+2 Tu/R/S); SN: 18 classes (16+2 Tu/R/S); SV: 14 classes

Remarks: Internal assessment will be made on 60% basis, provided students do not maintain 50% attendance in theory and 75% attendance in practical classes.



Signature of
HOD





Signature of
Convener



Signature of
Principal
DR. AMITAVA BASU
Principal, B. B. College
Ushagram, Asansol, P Bardhaman
West Bengal - 713303

**DEPARTMENT OF GEOGRAPHY, HINDI SHIFT
BANWARILAL BHALOTIA COLLEGE, ASANSOL
EVEN SEMESTER ROUTINE, 2024**



DAYS	SEM	TIME						
		09:00-10:00	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00
MON	II	MAJOR-MP R- 327	SEC-MP R- 327		MINOR	MD		
	IV	CT-SV R-322	CT-SV R-322	CP-SM R-322	GE	CP-MP R-321	Tu/ R/S- MP	
	VI			CT-SV R-316	CT-MP R-322	CT-SM R-318	CT-SM R-316	
TUE	II	MAJOR-SM R- 322	SEC-SM R-322		MINOR	MD	Tu/ R/S- SM	
	IV	CP-SV R-327	CP-SV R-327	CP-SN R-322	GE	CT-MP R-322	CP-MP R-223	
	VI		CT-MP R-326	CP-SM R-326	CP-SV R-326	CT-SN R-320	CT-SN R-316	
WED	II	SEC-SV R-322	SEC-SV R-322		MINOR	MD		
	IV		CT-SN R- 326	SEC-SN R- 326	GE	CT-MP R-223	CP-SM R-316	CP-SM R-316
	VI	CP-MP R-327	CP-MP R-327	CT-SM R-316	CT-SV R-326	CT-SN R-326	Tu/ R/S- SN	
THU	II	MAJOR-SN R- 322	MAJOR-SV R- 322		MINOR			
	IV	CT-SM R-327	CT-SM R-327	CT-SN R-316	GE	CP-SV R-316	CP-SV R-316	
	VI		CP-SN R-326	CT-SV R-322	CP-SV R-322	CT-SM R-223	Tu/ R/S- SN	
FRI	II	SEC-SN R-322	SEC-SN R-322		MINOR		VAC	
	IV	CP-SM R-327	CT-SM R-327	CT-SN R-322	GE	SEC-MP R-223	CT-MP R-326	
	VI		CT-MP R-326	CT-SM R-326	CP-SN R-326	CP-SM R-326		
SAT	II	MAJOR-SN R- 322		MAJOR-MP R- 322				
	IV	CP-MP R-327	CT-SN R-327		GE			
	VI			CT-SN R-326	CT-MP R-322			

P Day: MP- Thursday, SN- Monday, SM- Saturday & SV- Friday, Saturday

No. of classes: MP- 16+1 Tu/R/S; SN- 16+2 Tu/R/S; SM- 16+1 Tu/ R/ S; SV- 14

Remarks: Internal assessment will be made on 60% basis, provided students do not maintain 50% attendance in theory and 75% attendance in practical classes.

Signature of
HOD

Head
Department of Geography
(Hindi Shift)
B. B. College, Asansol

Signature of
Convener

Signature of
DR. ANURAMA BASU
Principal, B. B. College
Ushagram, Asansol, P Bardhaman
West Bengal - 713303

Routine for Even Semester: B.B. College: Urdu Department (2023)

Day	Time							
	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
Mon	II	IIQ (C-3) R-311	DK (GE-2)R-310	SG(MIL)R-311				
	IV	DK (SEC-)R311		SG (GE-3)R310	IIQ(C-9)R-311			
	VI				DK (C-14)R311	IIQ (DSE-3)R 311		T/R/S
Tue	II		DK (GE-2)R-310			MA (C-4)R-311		
	IV	DK (SEC-)R-310					MA (C-10) R-310	T/R/S
	VI		MA(DSE-3) R-311	MA (DSE-4)R311	DK (C-14)R311			
Wed	II	IIQ (C-3) R-311				MA (C-4) R311		
	IV		IIQ (C-9) R-310	SG (GE-3)R310		SG(CORE) R-310	MA (C-10) R-310	
	VI		MA(DSE-3) R-311	MA (DSE-4) R311	IIQ (DSE-3) R311			T/R/S
Thurs	II	IIQ (C-3) R-311		SG (GE-3)R310		MA (C-4) R311		
	IV		IIQ (C-9)R310			SG(CORE) R-310	MA (C-10) R-310	T/R/S
	VI		MA(DSE-3) R-310	MA(DSE-4) R310	IIQ (DSE-3)R311		MA (DSE-3) R-311	
Fri	II		DK (GE-2)R-310	SG(MIL)R-311		MA (C-4)R311		
	IV	DK (SEC-)R-310			SG(CORE)R310		MA (C-10)R-311	
	VI	MA(DSE-4) R-310	MA (DSE-3)R-311		DK (C-14)R310			
Sat	II	MA (C-4)R311						
	IV				JA (C-8) R-311	MA (C-10)R310		T/R/S
	VI	JA (C-13) R-311	JA (C-13) R-311					

MA: Dr. Md. MashkoorAlam (P-Day: Monday) (17 Classes)

JA: Dr. Jamshed Ahmad (Special Guest, Only Saturday)

DK: Mrs. Darakhshan Khurshid (Mon, Tue & Fri)

IIQ: Dr. Intekhab Iqbal (Mon, Wed & Thu)

SG: Special Guest (as per requirement)

Dr. Md. MashkoorAlam
(HOD, Assistant Professor)

Convener

Principal

Remarks: 40% of the Internal marks are reserved for class attendance and class performance.

DEPARTMENT OF PHILOSOPHY
Routine for even Semester,Day Section(Arts) 2024 Onwards

Day	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MON	II		MAJOR(D.D)R.no-202	MINOR(D.D)R.no-203	MD			
	IV		CORE(S.G)R.no102	GE(S.G) R.no-202	CORE(D.D) R.no-203	CORE (S.L) R.no-102		
	VI			CORE(S.L)R.no-102	CORE(S.G) R.no-102	DSE(S.G)R.no-203	DSE(D.D)R.no-102	T/R/S (D.D) R.no-102
TUE	II		MAJOR(T.C)R.no-202	MINOR(T.C)R.no-202	MD			
	IV		CORE(P.D) R.no-102	GE(S.L)R.no-102	CORE(S.G)R.no-203	CORE(S.L)R.no-102	SEC (S.L) R.no-102	T/R/S(S.G)R.no-102
	VI			CORE(P.D)R.no-203	CORE(P.D)R.no-102	DSE(S.G)R.no-202	DSE(S.G)R.no-202	
WED	II		MAJOR(S.L)R.no-102	MINOR(S.L)R.no-102	MD			
	IV		CORE(P.D)R.no-203	GE(P.D)R.no-202	CORE(S.G)R.no-202	CORE(S.G)R.no-202		
	VI			CORE(S.G)R.no-203	CORE(S.L)R.no-102	DSE(P.D) R.no-102	DSE (S.G)R.no-102	T/R/S(P.D)R.no-102
THU	II		MAJOR(S.G)R.no-203	MINOR(S.G)R.no-203	SEC(S.G)R.no-203	VAC R.no-107		
	IV		CORE(P.D)R.no-102	GE(D.D) R.no-202	CORE(S.L)R.no-102	CORE(D.D)R.no-203	SEC(P.D) R.no-102	T/R/S(S.L)R.no-102
	VI			CORE(S.L)R.no-102	CORE (P.D)R.no-202	DSE(S.L)R.no-102	DSE(S.L)R.no- 203	
FRI	II		MAJOR (P.D)R.no-203	MINOR(P.D)R.no-203	SEC(D.D)R.no-203			
	IV		CORE		CORE (P.D) R.no-202	CORE (D.D) R.no-203		
	VI			CORE(D.D)R.no-102	CORE	DSE(P.D)R.no-102	DSE(D.D)R.no-102	
SAT	II			T/R/S	T/R/S	T/R/S		
	IV		CORE (P.D)R.no-102	GE(P.D)R.no-202	CORE(D.D)R.no- 202	CORE-(D.D) R.no-203		
	VI			CORE(D.D)R.no-102	CORE(S.L)R.no-102	DSE(S.L)R.no-102	DSE(P.D) R.no-102	

- 1) Name of Teacher- Susmita Layek (SL), Prasenjit Daw (PD), Tutul Chattaraj (TC), Shanoly Ganguly (SG), Dipankar Das (DS)
- 2) P Day- Susmita Layek (FRIDAY), Prasenjit Daw (MONDAY), Tutul Chattaraj (FRIDAY ,SATURDAY), Shanoly Ganguly (FRIDAY ,SATURDAY), Dipankar Das(Tuesday,WEDNESDAY),
- 3) Total allotted classes- Sem- II 12 Sem-IV 24 Sem- VI 23

Signature of

HOD

Convener

Principal

ENGLISH DEPARTMENT ROUTINE 2022 (ODD SEMESTERS)

Day	Semester	10AM-11AM	11AM-12PM	12PM-1PM	1PM-2PM	2PM-3PM	3PM-4PM
Mon	I		GE (Sem-1) SSS (208)		CC2 (Sem-1) SSS (208)	CC1 (Sem-1) SKM(208)	
	III	CC7 (Sem-3) SKM (207)		GE (Sem-3) SSS (208)	CC7 (Sem-3) SKM (312)		
	V						
Tue	I		GE (Sem-1) AM (208)	CC 2(Sem-1) UD (208)	Tutorial (Sem-1) AM (208) +	DSE2 (Sem-5) SSS (312)	
	III			GE (Sem-3) AM (312)	CC7 (Sem-3) UD (312)	CC6 (Sem-3) AM (208)	CC5 (Sem-3) SSS (208)
	V				CC11 (Sem-5) SSS (207)	DSE1 (Sem-5)UD (312)	DSE1 (Sem-5) UD (312)
Wed	I		GE (Sem-1) SKM (208)	CC2 (Sem-1) AM (208)	Tutorial (Sem-1) SSS (208) +	CORE (Sem-1) UD (208)	
	III	CC7(Sem-3) SKM (312)		GE (Sem-3) SKM (312)	CC6 (Sem-3) AM (312)	CC5 (Sem-3) SSS (207)	CC5 (Sem-3) SSS (208)
	V		CC11(Sem-5) UD (312)	CC11 (Sem-5) UD (208)		DSE2 (Sem-5) AM (312)	DSE1 (Sem-5) AM (312)
Thu	I		GE (Sem-1) AM (312)		CC1 (Sem-1) UD (208)	CC1 (Sem-1) UD (312)	
	III	CC5(Sem-3) UD (208)		GE (Sem-3) SKM (208)	CC6 (Sem-3) AM (207)	CC5 (Sem-3) SSS (207)	SEC (Sem-3) SKM (312)
	V	CC12 (Sem-5) AM (312)	CC12 (Sem-5) UD (208)	DSE2 (Sem-5) AM (312)	CC12 (Sem-5) SSS (312)	CC12 (Sem-5) SKM (208)	DSE1 (Sem-5) SSS (208)
Fri	I	CC1(Sem-1) AM (312)		CC1 (Sem-1) SKM (208)	CC1 (Sem-1) SKM (208)		
	III	CC6 (Sem-3) UD (208)		GE (Sem-3) AM (312)	CC6 (Sem-3) AM (312)	CC5(Sem-3) SSS (312)	SEC (Sem-3) SKM (312)
	V		CC11 (Sem-5) UD (208)	CC11(Sem-5) SSS (207)	DSE 2(Sem-5) UD (207)	DSE2 (Sem-5) UD (208)	DSE1 (Sem-5) SSS (208)
Sat	I				CC2 (Sem-1) SKM (208)		
	III	CC7 (Sem-3) UD (208)	CC6(Sem-3) AM (208)	GE (Sem-3) UD (207)			
	V	CC12 (Sem-5) AM (207)	Tutorial (Sem-5) SKM (207) +	DSE 1 (Sem-5) SKM (312)		DSE2 (Sem-5) SKM (208)	

Important Note:

As per order of the Principal, 50% attendance of the students is must, failing which 40% marks will be deducted from their Internal Assessment.

[Signature]
31/8/2022
HoD

[Signature]
31/8/22
Convener

[Signature]
Principal

ENGLISH DEPARTMENT ROUTINE 2023 (EVEN SEMESTER)

Day	Semester	10AM-11AM	11AM-12PM	12PM-1PM	1PM-2PM	2PM-3PM	3PM-4PM
Mon	II		GE (Sem-I) SSS (208)		CC4 (Sem-2) SSS (208)	CC3 (Sem-2) SKM(208)	
	IV	CC10 (Sem-4) SKM (207)		GE (Sem-4) SSS (208)	CC10 (Sem-4) SKM (312)		
	VI						
Tue	II		GE (Sem-2) AM (208)	CC3 (Sem-2) UD (208)	Tutorial (Sem-2) AM (208)	DSE (Sem-6) SSS (312)	
	IV			GE (Sem-4) AM (312)	CC10 (Sem-4) UD (312)	CC4 (Sem-2) SSS (208)	
	VI				CC13 (Sem-6) SSS (207)	CC9 (Sem-4) AM (208)	CC8 (Sem-4) SSS (208)
Wed	II		GE (Sem-2) SKM (208)	CC3 (Sem-2) AM (208)	Tutorial (Sem-2) SSS (208)	DSE (Sem-6)UD (312)	DSE (Sem-6) UD (312)
	IV	AECC2 (Sci.) (SKM) (312)		GE (Sem-4) SKM (312)	CC9 (Sem-4) AM (312)	CORE (Sem-2) UD (208)	
	VI		CC14(Sem-6) UD (312)			AECC2 (Comm) (SSS) (312)	CC8 (Sem-4) SSS (208)
Thu	II		GE (Sem-2) UD (312)	AECC 2 (Arts) (UD) (312)	CC3 (Sem-2) UD (208)	DSE (Sem-6) AM (207)	DSE (Sem-6) AM (312)
	IV	CC9 (Sem-4) UD (208)		GE (Sem-4) SKM (208)	CC9 (Sem-4) AM (207)	CC3 (Sem-2) UD (312)	
	VI		Tutorial (Sem-6) AM (208)	DSE (Sem-6) AM (207)	CC13 (Sem-6) SSS (312)	CC8 (Sem-4) SSS (207)	SEC (Sem-4) SKM (312)
Fri	II			CC3 (Sem-2) SKM (208)	CC3 (Sem-2) SKM (208)	CC14 (Sem-6) SKM (208)	DSE (Sem-6) SSS (208)
	IV		CC9 (Sem-4) UD (208)	AECC2 (Arts) (AM) (312)	CC9 (Sem-4) AM (312)	CC8(Sem-4) SSS (312)	SEC (Sem-4) SKM (312)
	VI		CC13 (Sem-6) AM (208)	CC14(Sem-6) SSS (207)	DSE (Sem-6) UD (207)	DSE (Sem-6) UD (208)	DSE (Sem-6) SSS (208)
Sat	II				CC4 (Sem-2) SKM (208)		
	IV	CC9 (Sem-4) UD (208)	CC9(Sem-4) AM (208)	GE (Sem-4) UD (207)			
	VI	CC13 (Sem-6) AM (207)	Tutorial (Sem-6) SKM (207)	DSE (Sem-6) SKM (312)		DSE (Sem-6) SKM (208)	

19/1/2023
HOD, English

MASTER ROUTINE - MORNING SECTION 2022-2023

ODD SEMESTER

DAY	7-8 A.M			8-9 A.M			9-10 A.M			10-11 A.M			11-12 ^{1:00PM} P.M		
	1ST SEM	2ND SEM	3RD SEM	1ST SEM	2ND SEM	3RD SEM	M	I	L	1ST SEM	2ND SEM	3RD SEM	1ST SEM	2ND SEM	3RD SEM
MON			ENG S.N R-51									5TH SEM ENG S.N R-51	1ST SEM ENG S.N R-51		
TUES			ENG S.N R-51									5TH SEM ENG S.N R-51	1ST SEM ENG S.N R-51		
WED			ENG S.N R-51									5TH SEM ENG S.N R-51	1ST SEM ENG S.N R-51		
THUR			ENG S.N R-51									5TH SEM ENG S.N R-51	1ST SEM ENG S.N R-51		
FRI															
SAT															

MASTER ROUTINE - MORNING SECTION

2022-2023

EVEN SEMESTER

D A Y	7-8 A.M			8-9 A.M			9-10 A.M			10-11 A.M			11-12 Noon		
	2ND SEM	4TH SEM	6TH SEM	2ND SEM	4TH SEM	6TH SEM	2ND SEM	4TH SEM	6TH SEM	2ND SEM	4TH SEM	6TH SEM	2ND SEM	4TH SEM	6TH SEM
MON	4TH SEM ENG S.N R-223									6TH SEM ENG S.N R-223			2ND SEM ENG S.N R-201		
TUES	4TH SEM ENG S.N R-223									6TH SEM ENG S.N R-223			2ND SEM ENG S.N R-223		
WED	4TH SEM ENG S.N R-201									6TH SEM ENG S.N R-223			2ND SEM ENG S.N R-201		
THUR	4TH SEM ENG S.N R-223									6TH SEM ENG S.N R-223			2ND SEM ENG S.N R-223		
FRI															
SAT															

**DEPARTMENT OF BUSINESS ADMINISTRATION
B.B. COLLEGE, ASANSOL
PROVISIONAL ROUTINE**

DAY	Semester	11AM-12NOON	12NOON 1PM	1PM-2PM	2PM-3PM	3PM – 4PM
MONDAY	II		OB (SD)	ACCOUNTS (GH)	BCOM (BPG)	
	IV		FIN MKT/OR (GH/BPG)	HRM (SD)	PMM (PG)	
	VI		ED (PG)	MS/PROJECT (BPG/PG)	CMA/PROJECT (GH/SD)	
TUESDAY	II			OB (SD)	BCOM (BPG)	
	IV		HRM (SD)	BENV (BPG)	PMM (PG)	
	VI		ED (PG)	PROJECT (PG)	HRD (SD)	MS(BPG)
WEDNESDAY	II		OB (PG)	BCOM (BPG)	ACCOUNTS(GH)	
	IV	BR (PG)	FIN MKT (GH)	PMM (PG)	BENV (BPG)	
	VI		MS(BPG)	CMA (GH)		
THURSDAY	II		MIL (PG)	OB (SD)	ACCOUNTS(GH)	
	IV		OR (GH)	PMM (PG)	HRM (SD)	
	VI		HRD (SD)	CMA (GH)	ED (PG)	
FRIDAY	II			ACCOUNTS(GH)	OB (SD)	
	IV		FIN MKT/OR (GH/BPG)	HRM (SD)	BENV (BPG)	
	VI	PROJECT(GH)	HRD (SD)	MS(BPG)		
SATURDAY	II		ACCOUNTS (GH)	OB (PG)	BCOM (BPG)	
	IV	OR (GH)	HRM (SD)	QUANT/BR (BPG/SD)	PMM (PG)	BENV (BPG)
	VI	HRD (SD)	ED (PG)	CMA (GH)		

**GH – MR. GUNAMOY HAZRA
SD- DR. SOUVIK DUTTA**

**BPG – MR. BUDDHA PRASAD GHATAK
PG – MR. PARTHA GHOSH**

DEPARTMENT OF BUSINESS ADMINISTRATION
B.B. COLLEGE, ASANSOL
PROVISIONAL ROUTINE

DAY	Semester	11AM-12NOON	12NOON 1PM	1PM-2PM	2PM-3PM	3PM – 4PM
	MONDAY	I		BSTAT (GH)	ECO (BPG)	PMOB (SD)
III		FM (GH)	RETAIL (PG)	CFA (SD)	MM (BPG)	
V			IR (SD)	TAX/SCM (GH/PG)	IB (PG)	SDM (BPG)
TUESDAY	I		ECOMMERCE (BPG)	PMOB (PG)		
	III		CFA (SD)	MM (BPG)	RETAIL (PG)	
	V	IR (SD)	IB (PG)	BLAW (SD)	SDM (BPG)	
WEDNESDAY	I		ECOMMERCE (PG)	ECO (BPG)		
	III		FM (GH)	RETAIL (BPG)	BMATH (GH)	
	V		SDM (BPG)	TAX/SCM (GH/PG)	IB (PG)	
THURSDAY	I			PMOB (PG)	BSTAT (GH)	
	III		CFA (SD)	FM (GH)	MM (PG)	
	V	IR (SD)	TAX(GH)	BLAW (SD)		SDM (PG)
FRIDAY	I		PMOB (SD)	BSTAT (GH)	ECO (BPG)	
	III		FM (GH)	RETAIL (BPG)	CFA (SD)	
	V	TAX (GH)	SCM (BPG)	BLAW (SD)		
SATURDAY	I		PMOB (PG)	Tutorial (GH)	ECO (BPG)	
	III	CE (SD)	BMATH (GH)	CA (BPG)		MM (BPG)
	V	TAX (GH)	BLAW (SD)	IR/SCM (SD/PG)	IB (PG)	

BANWARILAL BHALOTIA COLLEGE

DEPARTMENT OF HISTORY (Hindi Shift)

TIME TABLE FOR HISTORY HONORS STUDENTS-2022(ODD SEM)

DAY	SEMESTER	10-11AM	11-12AM	12-1PM	1-2PM	2-3PM	3-4PM	4-5PM
MON	FIRST		GE-1-DM (R-7)	CORE-1-SS (R-7)	CORE-2-NK (R-7)			
	THIRD	CORE-5-NK (R-8)	CORE-6-SS (R-8)	GE-3	CORE-7-DM (R-8)	SEC-1-NK (R-8)	TUTORIAL	
	FIFTH			DSE-1-NK (R-8)		CORE-11-DM (R-7)	CORE-12-DM (R-7)	TUTORIAL
TUES	FIRST		GE-1-DM (R-7)	CORE-1-NK (R-7)	CORE-2-SC (R-7)			
	THIRD		CORE-5-NK (R-8)	GE-3-SB (R-8)		CORE-7-DM (R-8)	SEC-1-DM (R-8)	
	FIFTH	CORE-11-NK (R-7)		CORE-12-SC (R-6)	DSE-1-NK (R-8)	DSE-2-SB (R-7)		TUTORIAL
WED	FIRST		GE-1-DM (R-7)		CORE-1-NK (R-7)	CORE-2-SC (R-7)		
	THIRD	CORE-5-SC (R-8)	CORE-6-SB (R-8)	GE-3-SB	CORE-7-NK (R-8)		SEC-1-NK	
	FIFTH			CORE-11-SC (R-8)	CORE-12-DM (R-6)	DSE-2-SB (R-6)		
THURS	FIRST		GE-DM(R-7)		CORE-2-SC	CORE-1-DM		

					(R-7)	(R-8)		
	THIRD	CORE-7-SC (R-8)	CORE-6-SB (R-8)	GE-3-SB (R-8)				
	FIFTH	CORE-11-DM (R-7)			DSE-1-SB (R-8)	DSE-2- SC (R-7)	CORE-12-SC (R-7)	
FRIDAY	FIRST	CORE-1-SB (R-7)	GE-SC (R-7)	ENVS(R- HH)	CORE-2-SC (R-7)			TUTORIAL
	THIRD	CORE-5-DM (R-8)		GE-3-SB (R-8)	CORE-6-SB (R-8)	SEC-1-DM (R-8)		
	FIFTH		DSE-1-DM (R-8)	DSE-2-SC (R-7)				TUTORIAL
SATURDAY	FIRST							
	THIRD	CORE-5-SC (R-7)	CORE-7-SC (R-7)	GE-3-SB	CORE-6-NK (R-7)			
	FIFTH	CORE-11-SB (R-8)	CORE-12- NK (R-8)	DSE-1-SC (R-8)		DSE-2-NK (R-8)		

NAME OF TEACHERS: DR.SHAMALI BHATTACHARYAY(SB), DR.SANDIP CHATTERJEE(SC), DR.DEBASHIS MANDAL(DM), MISS NASREEN KHATOON(NK), MR.SUBHASH SIDDHARTH(SS)

**HOD
Signature**

CONVENOR

PRINCIPAL

Remarks:

Dr.Shamali Bhattacharyay (Monday)-13

Dr.Sandip Chatterjee(Monday)-15

Dr.Debashis Mandal(Saturday)-15

Miss Nasreen Khatoon(Thursday, Friday)-14

Mr.Subhash Siddhartha-2

BANWARILAL BHALOTIA COLLEGE

TIME TABLE FOR HISTORY AND POLITICAL SCIENCE AND HINDI PROGRAM-2022 (HINDI SHIFT), ODD SEMESTER

DAY	SEMESTER	9AM-10AM	10AM-11AM	11AM-12	12PM-1PM	1PM-2PM	2PM-3PM	3PM-4PM
MON	I	C1/C2-HINDI-MB (R.216 SCIENCE BUILD)	C1/C2 -PSC QS-(R-HH)	MIL-MB-R-HH		C1/C2 HIS-KK (R-HH)		Tutorial SB-(R-6)
	III		C5/C6-HINDI-MB(R-217)		C5/C6-HIS-KK(R-6)		C5 /C6-PSC QS-(R-HH)	
	V	DSE1/2-HINDI-AS(R.217 SCIENCE BUILD)	SEC-HINDI-AS(R-217)	DSE1/2-HIST-KK (R-6)		DSE1/2-PSC PB-(R-6)	SEC-III-HIST-NK R-8**	
Tuesday	I	C1/C2-HINDI AS(R.216)	C1/C2 PSC QS-(R-HH)	C1/C2 HIS-KK (R-HH)	MIL-HINDI-AS-(R-HH)			
	III		PSC-SEC1-PG(R-6)		C5/C6-HIST-KK (R-6)	C5/C6-PSC-SB(R-HH)	HIST-SEC1-KK (R-HH)	Tutorial PG-(R-6)
	V	DSE-1 HINDI-MB(R.217)		SEC-III PSC-SB(R-6)	GE-3-HIST-SB(R-8)**	DSE1/2-HIST-KK(R-6)	GE/PSC-PG(6)	Tutorial-SEC-III-PSC-SB(R-4)
WEDN	I	C1/C2-HINDI-NR (R.216)	C1/C2-PSC-PB (R-HH)			C1/C2-HIST-SC	ENVS-HH	
	III	C5/6-	SEC1-PSC-	MIL-	C5/C6 HIS-			

		HINDI-MB(R.217)	PG(R-6)	HINDI-MB (R-217)	DM(R-HH)				
	V	SEC-HINDI-AS(R-216)	GE-HINDI-NR(R.216)	DSE1/2-HIST-SB R-HH	DSE1/2 PSC PB-(R-6)		GE1-PSC-PG-(R-6)	Tutorial PB-(R-6) SEC HIST-NK (R-8)	
THURS	I		C1/C2-HINDI-AS R-HH	C1/C2-HIS-KK (R-HH)	C1/C2-PSC-PB(R-HH)				
	III	C5/C6-HINDI-AS-R.216	SEC-HINDI-NR(R.216)		C5/C6 HIS-KK (R-6)		C5/C6 PSC QS-(R-HH)		
	V	DSE1/2-HINDI-MB R-217	GE-HINDI-MB(R.217)			DSE1/2-HIST-KK(R-HH)	GE PSC-PG(R-6) GE-HIS-KK(R-HH)		
FRI	I		C1/C2 HIS-KK R-HH						
	III	C5/6-HINDI-NR R.216	HINDI-MIL NR(R-216)	SEC1-HIST-KK (R-HH)	C5/C6 HIS-KK(R-HH)	C5/C6-PSC-SB(HH)			
	V		SEC-III-PSC-SB R-HH		GE-HIST-SB R-8**	DSE1/2-PSC PB-(R-6)	GE-PSC-PG (R-6)		
SAT	I								
	III		SEC-HINDI NR(R-216)						
	V	DSE1/2-HINDI-NR (R.217)	SEC-III-HIST-NK						

FIRST SEM HINDI PGM- CORE1/2- 4 CLASSES, MIL-2 CLASSES
THIRD SEM HINDI PGM- CORE5/6- 4 CLASSES, SEC1-2 CLASSES, MIL-2 CLASSES
FIFTH SEM HINDI PGM-DSE1/2- 3 CLASSES, SEC-2, GE-2

MRS.KANCHAN KUMARI(**KK**)- 15 CLASSES
DR.SHAMALI BHATTACHARYAY(**SB**)-3 CLASSES
DR.SANDIP CHATTERJEE(**SC**)-1
DR.DEBASHIS MANDAL(**DM**)-1

BANWARILAL BHALOTIA COLLEGE

DEPARTMENT OF HISTORY

HISTORY HONS TIME TABLE FOR EVEN SEMESTER-2023

DAY	SEMESTER	10-11AM	11-12AM	12-1PM	1-2PM	2-3PM	3-4PM	4-5PM
MON	SECOND	C-4/SS(R-7)	AECC-2 HINDI	C-3/NK				
	FOURTH		C-8/NK(R-8)		C-10/NK (R-9)			
	SIXTH	DSE-4/NK(R-8)	DSE-3/SS(R-8)					
TUES	SECOND		GE-RAIL/DM(R7)	C-3/NK	C-3/NK	C-4/SB		
	FOURTH	C-8/NK(R-8)	C-9/SB	GE-DM(R-7)	C-10/SC(R-8)	C-10/SC		
	SIXTH		C-13/NK	C-14/SC	DSE-3/SB	DSE-4/DM	C-14/SC	
WED	SECOND	C4-SB	GE-RAIL/DM	C-3/NK				
	FOURTH	C-8/SC	C-9/NK	GE-4/DM	SEC-2/DM	C-10/SB		
	SIXTH			C-14/SC	C-13/NK		DSE-4/SC	
THURS	SECOND		GE-RAIL/DM	C-3/NK	C-4/SB			
	FOURTH		C-9/SC	GE-4/DM		SEC2-DM	C-9/SB	
	SIXTH	C-13/DM	C-14/NK	C-13/SC	DSE-3/SC	DSE-4/SB		

FRIDAY	SECOND		AECC-2 HINDI	C-4/SB				
	FOURTH	C-8/SB	C-10/SC	GE-4/DM	C-9/DM			
	SIXTH		DSE-3/SB		DSE-4/SC	C-13/SC		
SATURDAY	SECOND	C-4/DM	AECC-2					
	FOURTH	C-8/SB	GE-DM	C-10/DM				
	SIXTH	C-13/SC	DSE-3/SC	C-14/SB				

2nd Sem Hons: C-3 Mauryan and Gupta Empire, C-4 political History of Early Medieval India, GE-Railways in Modern India, AECC-2 English Communication.

4th Sem Hons: C-8 Renaissance and Reformation in Europe: 15th-16th Century, C-9 The French Revolution and Napoleon Bonaparte, C-10 Nineteenth Century Revolutions in Europe, GE-4 Science and Empire: 1784-1947, SEC-2 Colonial Science in India: Institutions and Practices

6th Sem Hons: C-13 War and Diplomacy: 1914-1945 CE, C-14 Modern Nationalism in India: 1885 - 1947 CE, DSE-3 Russia in Transformation: c.1850-1945 CE, DSE-4 International Relations: 1945-1991

Dr. Shamali Bhattacharyay (SB)-13+3 (Program)

Dr. Sandip Chatterjee (SC)-15+1 (program)

Dr. Debashis Mandal (DM)-15+3 (program)

Miss Nasreen Khatoon (NK)-13+1 (program)

BANWARILAL BHALOTIA COLLEGE, ASANSOL

TIME TABLE FOR HISTORY AND POLITICAL SCIENCE AND HINDI PROGRAM-2023 EVEN SEMESTER (HINDI SHIFT)-

DAY	SEMESTER	9AM-10AM	10AM-11AM	11AM-12	12PM-1PM	1PM-2PM	2PM-3PM	3PM-4PM	4PM-5PM
MON	II	C2- HIN/MB R-217		MIL-2/MB		C-3- HIST/KK	CC2 -PSC QS-(R-HH)		
	IV		C-6-HIN	C-7- HIST/KK		CC-4 – PSC PB-(R-HH)	SEC-2 – PSC SB-(R-6)		
	VI		SEC4 – PSC PB-(R-5)		DSE3/HIST- KK				
Tuesday	II		CC2 PSC QS-(R-HH)						
	IV		SEC-2/HIST- KK		C-7/HIST- KK	CC-4 – PSC PB-(R-HH)	SEC-2 – PSC SB-(R-HH)		
	VI		SEC4 – PSC PB-(R-5)	DSE3- HIST/KK	SEC4/HIST- DM(R-HH)	DSE2-PSC SB-(R-5)	GE2-PSC PG-(R-6)		
WEDN	II		ENVS-(R- HH)	ENGLISH			C-3/HIST-NK		
	IV				ENGLISH		SEC-2 – PSC SB-(R-HH)		
	VI		SEC4 – PSC PB-(R-5)	GE- 2/HIST-SB	SEC4/HIST- DM(R-HH)	DSE2-PSC SB-(R-5)	GE2-PSC PG-(R-6) GE-2/HIST-SC		Tutorial PG-(R- HH)
THURS	II		CC2-PSC- QS(R-HH)	C-3/HIST- KK			Tutorial QS-(R-6)		
	IV					CC-4 – PSC PB-(R-HH)	SEC-2/KK	C-7/HIST- KK	
	VI				DSE3/HIST-	DSE2-PSC	GE2-PSC		

					KK	SB-(R-5)	PG-(R-6)		
FRI	II				C-3/HIST-KK	C-3/HIST-KK			
	IV		C-7-HIST/KK		SEC4/HIST-DM	CC-4 – PSC PB-(R-HH)	SEC-2 – PSC SB-(R-HH)		
	VI		SEC4 – PSC PB-(R-5)	DSE3-HIST/KK		DSE2-PSC SB-(R-5)	GE2-PSC PG-(R-6) GE-2/HIST-SB		
SAT	II			GE-2/HIST-SB	ENGLISH(R-HH)	C3/PSC-QS(R-HH)			
	IV			ENGLISH(R-HH)					
	VI								

MRS.KANCHAN KUMARI(KK)- 14 CLASSES
DR.SHAMALI BHATTACHARYAY(SB)-3 CLASSES
DR.SANDIP CHATTERJEE(SC)-1
DR.DEBASHIS MANDAL(DM)-3

Pawan Gurung (PG) – 12 + 4 = 16
Piyali Banerjee (PB) – 12 + 4 = 16
Santosh Bhagat (SB) – 12 + 4 = 16
Queen Sinha (QS) – 11 + 4 = 15

REMARK: 50% ATTENDENCE IS COMPULSORY.

Class Routine
Department of Environmental Science
(Major and Minor)
Session: 2023-24
Semester- 1

Day	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:00	3:00-5:00
Monday	Major SD Room No: 116	Minor SD Room No: 216		R/S	
Tuesday	Major SD Room No: 116	Minor SD Room No: 216		R/S	
Wednesday	Major SD Room No: 116	Minor AG Room No: 216			
Thursday	Major SD Room No: 116	Minor SD Room No: 216	SEC SD Room No: 116		
Friday	Major SD Room No: 116	Minor	SEC SD Room No: 116		
Saturday	Major (Tutorial)				

SD - Mr. Sayantan Dutta AG - Dr. Arnab Ganguli

Department of Environmental Science

Class Routine

2nd Semester (Minor), 2024

Day	12 Noon -1 PM	2 – 5 PM
Tuesday	PD Room No: 216	Practical PD
Wednesday	SD Room No: 216	
Thursday	RM Room No: 216	Practical RM

PD- Mr. Pankaj Dutta SD – Mr. Sayantan Dutta RM – Mr. Raja Mukherjee

2nd Semester

Value Added Course (VAC), 2024

Day	9-10AM	10-11 AM	11-12 Noon	12-1 PM	1-2 PM	2-3 PM
Monday	Morning Shift SD Room No: 107		BBA & BCA SD Room No: BBA/BCA Hall			
Tuesday						Arts Hons of Day Shift Group 1 RM Room No: 107
Wednesday						
Thursday					Hindi Shift Program (All) SD Room No: Hindi Shift Hall	Arts Hons of Day Shift Group 2 PD Room No: 107
Friday		B.Com (Both Program and Hons) of Hindi Shift DS Room No: Hindi Shift Hall	B.Com (Both Program and Hons) of Evening Shift DS Room No: 201		Hindi Shift Hons (All) DS Room No: Hindi Shift Hall	Science Hons of Day Shift (All) DS Room No: 107

SD – Mr. Sayantan Dutta PD – Mr. Pankaj Dutta RM – Raja Mukherjee DS – Mrs. Debdyuti Sengupta

Group 1 – Language Group (English, Bengali, Hindi, Sanskrit and Urdu)

Group 2 – Social Science and Humanities (Political Science, History, Education and Philosophy)

DEPARTMENT OF PHILOSOPHY
Routine for Odd Semester, Day Section (Arts) 2023 Onwards

Day	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MON	I	MAJOR(D.D)R.no-312	MINOR(D.D)R.no-312	MD(D.D)R.no-312				
	III					CORE(S.L)R.no102		SEC(S.L)R.no-102
	V		CORE(S.L)R.no-102		DSE(S.L)R.no-102	DSE(D.D)R.no-312	T/R/S	
TUE	I	MAJOR(T.C)R.no-312	MINOR(T.C)R.no-312	MD(D.D)R.no-312				
	III			GE(S.L)R.no-102	CORE(D.D)R.no-	CORE(S.L)R.no-102	CORE(P.D)R.no-102	T/R/S
	V	CORE(P.D)R.no-102	CORE(P.D)R.no-102		DSE(S.L)R.no-102	DSE(P.D)R.no-		
WED	I	MAJOR(P.D)R.no-312	MINOR(D.D)R.no-312		MIL			
	III	SEC(D.D)R.no-102	CORE(P.D)R.no-102	GE(P.D)R.no-102		CORE(D.D)R.no-312	CORE(P.D)R.no-	
	V				CORE(S.L)R.no-102	CORE(S.L)R.no-102	DSE(S.L)R.no-102	
THU	I	MAJOR(S.G)R.no-312	MINOR(S.G)R.no-312	SEC(S.G)R.no-312	MIL			
	III		CORE(P.D)R.no-102			CORE(S.L)R.no-102	CORE(S.G)R.no-	T/R/S
	V	DSE(P.D)R.no-102			CORE(S.G)R.no-102	CORE (P.D)R.no-	DSE(S.L)R.no-102	
FRI	I	MAJOR(T) (P.D)R.no-	MINOR(T) (P.D)R.no-	SEC(S.G)R.no-312	MIL			
	III		CORE(S.G)R.no-102	GE(D.D)R.no-102		CORE(P.D)R.no-102	CORE(D.D)R.no-102	
	V	CORE(S.G)R.no-102			CORE(D.D)R.no-102	DSE(D.D)R.no-102	DSE(P.D)R.no-102	T/R/S
SAT	I				MIL	SEC(T)		
	III	CORE (P.D)R.no-		GE(S.G)R.no-		CORE(S.G)R.no-102		
	V	CORE(S.G)R.no-102	CORE(P.D)R.no-102	DSE(S.L)R.no-102	DSE(S.G)R.no-102			

Signature of

HOD

Convener

Principal

Routine (2022- 2023)
Department of Education
Semester[1st,3rd,5th], Day Section (Arts)

Day	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MON	I				C-1 SR R- 304			
	III		C5 SR R-304			SEC-1 SR R-304		
	V			DSE-1 SR R- 304			T/R/S R-304	
TUE	I				C-2 SR R-304			
	III		C7 SR R-304					T/R/S R-304
	V			DSE-2 SR R-304		C-12 SR R-304		
WED	I				C-1 SR R-304	T/R/S		
	III		C5 PS R-304		C-6 PS R-306	SEC-1 SR R-306		
	V		C-12 SR R-306	C- 11 SR R-306		DSE-2 PS R-304		
THU	I				C-2 PS R-304			
	III		C6 PS R-304		C-6 SR R-306	C7 SR R-304		T/R/S R-304
	V		DSE-2 SR R-306	C-11 PS R-304		C11 PS R-306		
FRI	I	ENVS R-107			C-1 PS R-304			
	III		C7 PS R-304					
	V			C12 PS R-304		DSE-1 PS R-304	T/R/S R-304	
SAT	I				C-1 PS R-304	T/R/S		
	III	C7 PS R-304	C5 PS R-304					
	V					DSE-1 PS R-304		

50% Attendance is a must for the students. # 40% of Internal marks will be assessed on class performance and conduct of the students.

Signature of

HOD

Convener

Principal

**Department of Education, Even Semester, Day Section (Arts)
2022-2023**

Day	Semester	10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MON	II				SR (C3) R-304			
	IV		C8 SR R-304			SEC-2 SR R-304		
	VI			DSE-3 SR R-304			T/R/S R-304	
TUE	II			ENVS	SR(C4) R-304			
	IV		C9 SR R-304					T/R/S R-304
	VI			DSE-4 SR R-304		C-13 SR R-304		
WED	II			ENVS	SR(C3) R-304	T/R/S		
	IV		C8 PS R-306		C9 PS R-306	SEC-2 SR R-306		
	VI		C-13 SR R-304	C-14 SR R-304		DSE-4 PS R-304		
THU	II				PS(C4) R-304			
	IV		C9 PS R-306		C9 SR R-306	C8 SR R-308		T/R/S R-304
	VI		DSE-4 SR R-304	C-13 PS R-306		C14 PS R-306		
FRI	II				PS(C3) R-304			
	IV		C10 PS R-304					
	VI			C14 PS R-304		DSE-3 PS R-304	T/R/S R-304	
SAT	II				PS(C4) R-304	T/R/S		
	IV	C8 PS R-304	C10 PS R-304					
	VI					DSE-3 PS R-304		

(Details of the MIL classes will be provided by the Corresponding Department)

Signature of

HOD

Convener

Principal

MATHEMATICS ROUTINE ODD SEMESTER 2023

TIMINGS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-05:00
DAYS							
MONDAY(SS,SD,PP)	SEM I	TKM-MJ R-327	AB-MN R-316	MD	MIL	R/S	
	SEM III		BR -C302 R-327	AB-GE-3 R-327	MG - CC-301 R-327	DK - C301 R-327	HONS (PRACTICAL)/T/R/S
	SEM V		DK-DSE502 R-314	DK -DSE-502 R-314	BR- C502 R-314	AB - C502 R-314	HONS (PRACTICAL)/T/R/S
TUESDAY (TKM)	SEM I	DK-MJ R-327	PG-MN R-316	MD	MIL	R/S	
	SEM III	PP-C301 R-314	MG-C301 R-327	SS-GE-3 R-327	AB-C301 R-327	SS-SEC-302 R-327	GE (PRACTICAL)
	SEM V		PP-DSE-503 R-314	DK-DSE-503 R-314	MG-CC-501 R-314	BR-CC-502 R-314	T/R/S
WEDNESDAY	SEM I	MG-MJ R-327	SS-MN R-316	MD	MINOR (PRACTICAL)		
	SEM III		MG-CC-301 R-327	AB-GE-3 R-327	BR-CC-302 R-327	SD-CC-303 R-327	HONS (PRACTICAL)/T/R/S
	SEM V		DK-DSE503 R-314	SD-DSE-502 R-314	AB-CC-502 R-314	TKM-CC501 R-314	HONS (PRACTICAL)/T/R/S
THURSDAY (AB,BR)	SEM I	DK-MJ R-327	SD-MN R-316	TKM-SEC R-327	MAJOR (PRACTICAL)		
	SEM III	SD-CC-303 R-314	TKM-C302 R-327	PP-GE-3 R-316	SS-SEC-302 R-327	SS-SEC-302 R-327	GE(PRACTICAL)
	SEM V		MG-CC-501 R-314	SS-DSE-502 R-314	PP-DSE-503 R-314	TKM-CC501 R-314	T/R/S
FRIDAY (DK, MG)	SEM I	PP-MAJOR R-327	BR-MINOR R-316	RH-SEC R-327	MINOR (PRACTICAL)		
	SEM III		AB-CC-302 R-327	PP-GE3 R-316	SD-CC-303 R-327	SD-CC-303 R-327	HONS (PRACTICAL)/T/R/S
	SEM V		SD-DSE-502 R-314	SS-DSE-502 R-314	AB-CC-502 R-314	AB-CC-502 R-314	HONS(PRACTICAL)/T/R/ S
SATURDAY	SEM I	MAJOR(T) R-327	SEC-TKM R-316	MAJOR (PRACTICAL)			
	SEM III		BR-CC-302 R-327	PP-GE3 R-327	SS-SEC-302 R-327	TKM-CC302 R-327	GE(PRACTICAL)
	SEM V		PP-DSE-503 R-314	DK-DSE-503 R-314	TKM-CC-501 R-314	MG-CC-501 R-314	T/R/S

(Details of the MIL classes will be provided by the respective Department)

HOD

Convener

Principal

MATHEMATICS ROUTINE EVEN SEMESTER 2024

TIMINGS DAYS		10:00-11:00	11:00-12:00	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	04:00-05:00
MONDAY (SD, SS, PP)	SEM II		MJ-TKM-R-316	TKM-MN(R-327)	MD TKM(R-316)	MAJOR(PRACTICAL)		
	SEM IV		AB-CC-9(R-314)	DK-GE-4(R-316)	MG-CC-10(R-327)	BR-CC-9(R-327)	HONS (PRACTICAL)	
	SEM VI			BR-CC-13 (R-314)	DK-CC-14(R-314)	AB-DSE-601(R-314)	MG-C-13(R-314)	
	SEM-IV(B.COM)				AB-B.COM ES(H)-RM-218			
TUESDAY (TKM)	SEM II		DK-MJ R-327	AB-MN R-327	MD SS (R-316)	MINOR PRACTICAL		
	SEM IV		AB-CC-9(R-314)	PP-GE-4(R-316)	BR-CC-9(R-327)	DK-CC-8(R-327)	GE (PRACTICAL)	
	SEM VI			DK-CC-14(R-314)	SD-DSE-601(R-314)	AB-DSE-602(R-314)	MG-CC-13(R-314)	T/R/S
	SEM-IV(B.COM)		PG-B.COM HS(R-220)				PP-B.COM ES (H)RM-301	
WEDNESDAY	SEM II		SD-MJ(R-316)	MG-MN(R-327)	MD SD (R-316)	MAJOR(PRACTICAL)		
	SEM IV		DK-CC-8(R-314)	DK-GE-4(R-316)	PP-CC-8(R-327)	TKM-SEC--401(R-327)	TKM-SEC--401(R-316)	
	SEM VI			AB-DSE-602(R-314)	AB-DSE-602(R-314)	SD-DSE-601(R-314)	SS +PP (Comp. Cen.)+ CC-14	
	SEM-IV (B.COM)		RH-B.COM HS (R-220)					
THURSDAY (AB, BR)	SEM II		MG-MJ(R-327)	TKM-MN(R-327)	SS-SEC(R-316)	MINOR PRACTICAL		
	SEM IV	SD-CC-10(R-314)	SS-CC-10(R-314)	PP-GE-4(R-316)	MG-CC-10(R-327)	TKM-SEC--401(R-327)	GE(PRACTICAL)	
	SEM VI			DK-CC-14(R-314)	PP-CC-14(R-314)	SD-DSE-602(R-314)	SD-DSE-602(R-314)	T/R/S
	SEM-IV B.COM		DK-BCOM- HS(R-220)					
FRIDAY (DK, MG)	SEM II		SD-MJ(R-316)	MN-BR(R-327)	SS-SEC(R-327)	VAC(Envs.) R-107	MAJOR(PRACTICAL)	
	SEM IV		PP-CC-8(R-327)	PP-GE-4(R-316)	AB-CC-9(R-316)	SD-CC-10(R-327)	HONS (PRACTICAL)/T/R/S	
	SEM VI		AB-CC-13(R-314)	TKM-DSE-601(R-314)	SD-DSE-602(R-314)	SS-CC-14(Comp. Cen.)	SS-CC-14((Comp. Cen.))	
	SEM-IV (B.COM)		PG-B.COM HS(R-220)	SS-B.COM ES(H)R-218				
SATURDAY	SEM II		Tutorial	Remedial	MINOR PRACTICAL			
	SEM IV	PP-CC-8(R-314)	BR-CC-9(R-327)	DK-GE-4(R-327)	SS-CC-10(R-327)	DK-CC-8(R-327)	GE(PRACTICAL)	
	SEM VI		AB-CC-13(R-314)	PP-CC-14(R-314)	BR-CC-13(R-314)	TKM-DSE-601(R-314)	T/R/S	
	SEM-IV (B.COM)				TKM-B.COM ES (H)R-301			

(Details of the Envs. classes will be provided by the respective Department)

HOD

Convener

Principal

DEPARTMENTAL TEACHING PLAN-
SEPTEMBER- 2023 TO MAY -2024

BANWARILAL BHALOTIA COLLEGE
ASANSOL, USHAGRAM
WEST BENGAL

Banwarilal Bhalotia College, Asansol
Department of Mathematics
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sudipta Das

1st Semester (New NCCF, Mathematics Minor)

Course/Paper Name: Classical Algebra, Calculus and Analytical Geometry

Course/Paper Code: BSCMTMMN101

Assigned Syllabus: Unit-4 & Unit-5 of the Paper (Calculus)

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of August, 2023	Hyperbolic functions, higher order derivatives, Successive differentiation, Leibnitz Rule	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	Leibnitz rule for successive differentiation and its applications (continued)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of September, 2023	Indeterminate Forms, L'Hospital's rule	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of September, 2023	Maxima and Minima of functions of real variables	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of September, 2023	Reduction formulae for integration, their derivations and applications	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st & 2 nd Week of October, 2023	Concavity and inflection points, Curvature and its properties	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	<u>One Remedial/Special Tutorial Class as per the performance of the students so far</u>	Discussion/Interactive Session
3 rd & 4 th Week of October, 2023	<u>Assignment on the topics covered till date</u>	<u>Assignment via Offline Mode/Google Form/Google Quiz</u>
1 st Week of November, 2023	Envelopes of a family of curves	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of November, 2023	Asymptotes to a curve	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	Parametric equations, parametrizing a curve, arc length, arc length of parametric curves	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	Volume of solid of revolution	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of December, 2023	Area of surface of revolution	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st & 2 nd Week of January, 2024	<u>One Remedial/Special Tutorial Class as per the performance of the students so far</u>	Discussion/Interactive Session
	<u>Assignment Based Exam covering the whole Syllabus</u>	<u>Assignment via Offline Mode/Google Form/Google Quiz</u>

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted regularly. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Mathematics
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: **Dr. Sudipta Das**

3rd Semester (Old LOCF)

Course/Paper Name: **Probability and Statistics**

Course/Paper Code: **BSCHMTMC303**

Assigned Syllabus: **All the 4 Units of the Paper**

Assigned Classes: **Six (6) Classes per Week**

Expected Time Span	Topics Covered	Teaching Method
4 th Week of August, 2023	Counting principle & basic notions of probability, Conditional probability and independence, Bayes' theorem	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of September, 2023	Random variables - Discrete and continuous, Cumulative distribution function, Probability mass/density functions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of September, 2023	Mathematical expectation, Moments, Moment generating & Characteristic function, Transformation of variables	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Discrete distributions: Uniform, Bernoulli, Binomial, Negative binomial, Geometric and Poisson	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023 and 1 st & 2 nd Week of October, 2023	Continuous distributions: Uniform, Gamma, Exponential, Chi-square, Beta and normal; Normal approximation to the binomial distribution	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of November, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Two Special Classes Regarding Different Types of Problems Regarding Probability & Random Variables	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of November, 2023	Joint cumulative distribution function and its properties, Joint probability density function, Marginal distributions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	Expectation of function of two random variables, Joint moment generating function, Conditional distribution and expectations	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	The Correlation coefficient, Covariance, Calculation of covariance from joint moment generating function, Independent random variables, Linear regression for two variables	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	The method of least squares, Bivariate normal distribution, Chebyshev's theorem, Strong law of large numbers, Central limit theorem and weak law of large numbers	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of December, 2023	More Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/ Assignment via Google Form/Google Quiz
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Mathematics
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: **Dr. Sudipta Das**

5th Semester (Old LOCF)

Course/Paper Name: **Integral Transforms and Fourier Analysis**

Course/Paper Code: **BSCHMTMDSE502**

Assigned Syllabus: **Unit-1 & Unit-2 of the Paper (Fourier Series & Fourier Transform)**

Assigned Classes: **Three (3) Classes per Week**

Expected Time Span	Topics Covered	Teaching Method
2 nd & 4 th Week of August, 2023	Periodic functions, Definition of Fourier Series, Dirichlet's conditions of convergence and statement for sufficient condition for a trigonometric series to be a Fourier series, Derivation of Fourier Coefficients, Examples of Fourier expansions and summation results for series	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st & 2 nd Week of September, 2023	Gibbs phenomenon, Use of odd & even functions in evaluating Fourier coefficients – Half range sine & cosine series, Differentiation and integration of Fourier series, Statements of absolute and uniform convergence of Fourier series, Riemann- Lebesgue lemma, Bessel's inequality and Parseval's identity, The complex form of Fourier series	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
	Fourier Transforms as a limit of Fourier Series, Fourier Integral Theorem, Determination of Fourier Transform Pairs from Fourier Integral	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023	Definition and properties of Fourier Transforms: Linearity, Change of Scale, Shifting Property, Modulation theorem	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st & 2 nd Week of October, 2023	Fourier Transforms of Derivatives, Fourier Transforms of some useful functions, Fourier sine and cosine transforms	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st & 3 rd Week of November, 2023	Inverse Fourier Transform and examples, Statements of Convolution Theorem, Plancherel's identity, Reimann- Lebesgue Lemma and examples	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted regularly. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Mathematics

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Sudipta Das

2nd Semester (New NCCF, Mathematics Major)

Course/Paper Name: Linear Algebra I, Ordinary Differential Equations and Vector Calculus

Course/Paper Code: BSCMTMMJ201

Assigned Syllabus: Unit-2 & Unit-3 of the Paper (Ordinary Differential Equations)

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
4 th Week of March, 2024	Formulation of Ordinary Differential Equation (ODE), General, particular, explicit, implicit and singular solutions of a differential equation	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of April, 2024	Applications of ODE, Ordinary differential equations and mathematical models	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of April, 2024	Separable ODEs and equations reducible to this form, Homogeneous ODEs and their solutions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of April, 2024	Exact differential equations, use of integrating factors to reduce an equation to exact form, special integrating factors and transformations, examples and solutions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Linear ODEs and Bernoulli equations, orthogonal and oblique trajectories	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Ordinary differential equations of first order but not of first degree, Clairaut's form, General & Singular solutions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of May, 2024	Singular solutions & Extraneous loci, Existence and uniqueness of the solution of first order ODE (IVP), Lipschitz condition and Picard's Theorem (statement only)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
4 th Week of May, 2024	General solution of homogeneous linear ODE of second order, principle of linear superposition for homogeneous equation, Wronskian: its properties and applications	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st & 2 nd Week of June, 2024	Solving linear homogeneous and non-homogeneous ODEs of higher order with constant coefficients	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of June, 2024	Euler's Method for Solution of Higher Order Linear Differential Equations with Variable Coefficients	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of June, 2024	Method of Undetermined Coefficients for Solution of Linear Differential Equations with Constant Coefficients	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of July, 2024	Method of Variation of Parameters for Solution of Linear Differential Equations of Higher Order	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of July, 2024	Method of Reduction of Order for Solution of Differential Equations of Second Order	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of July, 2024	Other Methods of Solution for Specific Types of Higher Order Differential Equations	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of July, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted regularly. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Mathematics

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Sudipta Das

4th Semester (Old LOCF)

Course/Paper Name: Partial Differential Equations and Calculus of Variations

Course/Paper Code: BSCHMTMC403

Assigned Syllabus: Unit-1, Unit-2 & Unit-3 of Paper (First & Higher Order Partial Differential Equations)

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
4 th Week of February, 2024	Partial Differential Equations (PDEs) - Basic concepts, Order & Degree, Linear, Semi-linear & Quasi-linear PDEs	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of March, 2024	Formulation & Geometric Interpretation of First Order PDEs, The Cauchy Problem for First-Order PDEs, Kowalewski Theorem	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Lagrange Method of Characteristics for Obtaining General Solution of Quasi-linear PDEs, Integral Surfaces Passing Through a Given Curve	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of March, 2024	Surfaces Orthogonal to a Given System of Surfaces, Compatible System of First Order PDEs, Canonical Forms of First-order Linear PDEs	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of March, 2024	Solution of First Order Non-linear PDEs by Charpit's General Method	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of April, 2024	Some Special Types of Non-linear PDEs which can be Solved Easily by Methods Other Than Charpit's General Method	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of April, 2024	Method of Separation of Variables for Solving First Order PDEs, Geometric Interpretation of First order Non-linear PDEs and Cauchy's Method of Characteristics	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Origin and applications of second and higher order PDEs, Classification of second order PDEs	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Reduction of Second order PDE with constant or variable coefficients to canonical/normal form	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of May, 2024	Methods to find the general solution of homogeneous linear PDEs with constant coefficients	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of May, 2024	Methods to find the general solution of non-homogeneous linear PDEs with constant coefficients	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of May, 2024	General solution of homogeneous & non-homogeneous linear PDEs with constant coefficients (solving more problems)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of June, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted regularly. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Mathematics
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: **Dr. Sudipta Das**

6th Semester (OLD LOCF)

Course/Paper Name: **Number Theory**

Course/Paper Code: **BSCHMTMDSE602**

Assigned Syllabus: **Unit-1 & Unit-2 of the Paper**

Assigned Classes: **Three (3) Classes per Week**

Expected Time Span	Topics Covered	Teaching Method
4 th Week of February, 2024	Basics of Number Theory, Well-ordering Principle, Archimedean Property, Principle of Mathematical Induction, Introduction to Divisibility, Division Algorithm	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of March, 2024	Euclidean Algorithm for Numbers, Applications to determine Greatest Common Divisor & Lowest Common Multiple of Two Integers, Their Properties	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Linear Diophantine Equation, Number theoretic functions for sum and number of divisors	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of March, 2024	Prime Numbers, Prime Counting Function, Prime Number Theorem, Fundamental Theorem of Arithmetic, Goldbach Conjecture, Twin-prime Conjecture, Odd Perfect Numbers Conjecture, Fermat and Mersenne Primes	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
2 nd & 3 rd Week of April, 2024	Congruence Relation and its Properties, Linear Congruence and Chinese Remainder Theorem, Fermat's Little Theorem, Wilson's Theorem	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Multiplicative Function, The Möbius Inversion Formula, Greatest Integer Function, Euler's Phi-function and its Properties, Euler's Theorem	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of May, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted regularly. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Mathematics
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: **Dr. Sudipta Das**

6th Semester (Old LOCF)

Course/Paper Name: **Discrete Mathematics**

Course/Paper Code: **BSCHMTMDSE601**

Assigned Syllabus: **Unit-3 of the Paper (Boolean Algebras and Switching Circuits)**

Assigned Classes: **Two (2) Classes per Week**

Expected Time Span	Topics Covered	Teaching Method
1 st Week of March, 2024	Introduction to Boolean Algebras, De Morgan's Laws, Boolean Homomorphism, Representation Theorem	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Boolean Polynomials, Boolean Polynomial Functions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of March, 2024	Disjunctive and Conjunctive Normal Forms (CNFs & DNFs), Minimal Forms of Boolean Polynomials	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st & 2 nd Week of April, 2024	Karnaugh Diagrams and Quine-McCluskey Method to Find Minimal Forms of Boolean Polynomials	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of April, 2024	Switching Circuits: Basics & Applications	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of May, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted regularly. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Teaching Plan for the Academic Year 2023-2024

Semester-I

Paper Code: **BSCHMTMC101**

Paper Name: **3D Geometry**

Teacher's Name: **Dr. Pallabi Purkait** (One classes are allotted per week)



Topic	Number of class/classes needed (approx.)	Expected Time Span	Teaching Aid/Methods
Planes, Straight lines in 3D	3	2 nd + 3 rd + 4 th week of August 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Spheres. Cylindrical surfaces	6	September+ 1 st and 2 nd week of October 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Cone. Central conicoids, paraboloids,	4	November 2023	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
A class test on the previous topics which are completed.	2	1 st week of December 2023	Questions will be supplied five minutes before the scheduled time of each class.
Plane sections of conicoid, Generating lines, classification of quadrics,	3	2 nd , 3 rd and 4 th week of December 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Tangent plane, Normal.	4	January 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
A class test on full topic.	1	1 st week of February 2024	Questions will be supplied five minutes before the scheduled time of each class.

N.B: HOME ASSIGNMENT WILL BE GIVEN AFTER COMPLETION OF EACH CLASS

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Teaching Plan for the Academic Year 2023-2024

Semester-III

Paper Code: **BSCHMTMC301**

Paper Name: **Multivariable Calculus (Unit-5)**

Teacher's Name: **Dr. Pallabi Purkait** (One classes are allotted per week)



Unit code/Test	Number of class/classes needed (approx.)	Expected Time Span	Teaching Aid/Methods
Line integrals, Applications of line integrals: Mass and Work done,	2	1 st and 2 nd week of September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Fundamental theorem for line integrals, Path independence, Conservative vector fields.	2	3 rd and 4 th week of September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Green's theorem, Area as a line integral, Surface integrals, Integrals over parametrically defined surfaces,	4	October 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
5 Stokes' theorem, Volume as a surface integral, Gauss divergence theorem.	4	November 2023	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
5 Unit Test	2	1 st and 2 nd week of December 2023	Questions will be supplied five minutes before the scheduled time of each class .

N.B: HOME ASSIGNMENT WILL BE GIVEN AFTER COMPLETION OF EACH CLASS

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Teaching Plan for the Academic Year 2023-2024

Semester-V

Paper Code: **BSCHDSE502**

Paper Name: **Integral Transforms and Fourier Analysis (Unit-1 and 5)**

Teacher's Name: **Dr. Pallabi Purkait** (Three classes are allotted per week)



Topic	Number of class/classes needed (approx.)	Expected Time Span	Teaching Aid/Methods
Periodic functions. Definition of Fourier Series. Dirichlet's conditions of convergence and statement for sufficient condition for a trigonometric series to be a Fourier series.	6	2 nd and 3 rd week of August 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Derivation of Fourier Coefficients. Examples of Fourier expansions and summation results for series. Gibbs phenomenon	3	4 th week of August 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Use of odd & even functions in evaluating Fourier coefficients– Half range sine & cosine series, Differentiation and	3	1 st week of September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)

integration of Fourier series. Statements of absolute and uniform convergence of Fourier series,			
Riemann-Lebesgue lemma, Bessel's inequality and Parseval's identity. The complex form of Fourier series	9	2 nd , 3 rd and 4 th week of September 2023	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Revision +Unit test of the unit 1.	12	October 2023	Questions will be supplied five minutes before the scheduled time of each class.
Application of Fourier series in the solution of heat equation, wave equation and Laplace equation	7	2 nd , 3 rd and 4 th week of November 2023	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Application of Integral Transforms in the solution of initial value and boundary value problems in ODEs. Solution of heat equation and wave equation using Integral Transforms.	6	1 st and 2 nd week of December 2023	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)

N.B: HOME ASSIGNMENT WILL BE GIVEN AFTER COMPLETION OF EACH CLASS

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics
Teaching Plan for the Academic Year 2023-2024
Semester-V

Paper Code: **BSCHDSE503**

Paper Name: **Linear Programming and Game Theory (Unit-3 and 4)**

Teacher's Name: Ms. Pallabi Purkait (Three classes are allotted per week)



Topic	Number of class/classes needed (approx.)	Expected Time Span	Teaching Aid/Methods
Transportation problem and its mathematical formulation, northwest corner method, least cost method and Vogel approximation method for determination of starting basic solution,	6	2 nd , 3 rd and 4 th week of August 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
algorithm for solving transportation problem, Optimal solution	6	1 st and 2 nd week of September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
assignment problem and its mathematical formulation, Hungarian method for solving assignment problem, Travelling salesman problem. + Unit test for	7+2	3 rd and 4 th week of September + 1 st week of October 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation) Questions will be supplied five minutes before the class.

completed Topics			
Formulation of two person zero sum games, solving two person zero sum games	3	2 nd week October 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
games with mixed strategies, Rectangular and Square games, Concept of Dominance	6	3 rd and 4 th week of October	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
graphical solution procedure, Algebraic method of solution,	3	1 st and 2 nd week of November	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
linear programming solution of games.	6	3 rd and 4 th week of November.	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Revisions and class test on whole topic	6	1 st and 2 nd week of December	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation) Questions will be supplied five minutes before the class

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Teaching Plan for the Academic Year 2023-2024

Semester-II

Paper Code: **BSCHMTMC201**

Paper Name: **Mathematical Tools and Latex (Unit-3)**

Teacher's Name: **Dr. Pallabi Purkait** (One classes are allotted per week)



Topic	Number of class/classes needed (approx.)	Expected Time Span	Teaching Aid/Methods
Installation of MikTeX, Basic Syntax, Understanding Latex compilation. drawing matrices.	2	2 nd +3 rd week of April 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Use of templates, using various Classes and Packages	2	4 th week of April+ 1 st week of May 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Latex Preamble, Latex commands and debugging errors, formatting text, symbols, indenting, paragraphs, line-spacing, titles and subtitles.	3	2 nd , 3 rd and 4 th week of May 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Mathematical environment: mathematical symbols, functions and equations, theorem declarations. Inserting figures, tables with captions, in-text references to figures and tables.	4	June 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Creating contents, citation and bibliography. Preparing resume, question paper, project report, etc. in LaTeX. + A test in Computer Lab on the whole topic.	3+1	July 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Teaching Plan for the Academic Year 2023-2024

Semester-II

Paper Code: **BSCHMTMGE201**

Paper Name: **Differential Equations and Vector Calculus**

Teacher's Name: **Ms. Pallabi Purkait** (Two classes are allotted per week)



Unit code/Test	Number of class/classes needed (approx.)	Expected Time Span	Teaching Aid/Methods
1 First order exact differential equations. Integrating factors, rules to find an integrating factor. First order higher degree equations solvable for x, y, p. Methods for solving higher-order differential equations. Basic theory of linear differential equations, Wronskian, and its properties. Solving a differential equation by reducing its order.	8	2 nd , 3 rd week of April + 1 st , 2 nd week of May 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
1 Unit Test	2	3 rd week of May 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
2 Linear homogenous equations with constant coefficients,	2	4 th week of May 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Linear non-homogenous equations, The method of variation of parameters,	8	June 2024	
The Cauchy-Euler equation, Simultaneous differential equations, Total differential equations.	4	1 st and 2 nd week of July 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Total Part	4	3 rd and 4 th week of July 2024	Brief discussion on the total unit as well as detailed discussion on the need based specific portion of the unit. Discussion on answers of unit tests.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Teaching Plan for the Academic Year 2023-2024

Semester-IV

Paper Code: **BSCHMTMC403**

Paper Name: **Mechanics (Unit- 1 and 2)**

Teacher's Name: **Ms. Pallabi Purkait** (Three classes are allotted per week)



Unit code/Test	Number of class/classes needed (approx.)	Expected Time Span	Teaching Aid/Methods
Force and Couple, Resultant force and Resultant Couple, Varignon's theorem, Equilibrium of a particle, Equilibrium of a system of particles, Necessary conditions of equilibrium,	3	Third week of February 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Moment of a force about a point, Moment of a force about a line, Moment of a couple, Astatic equilibrium, Equipollent system of forces, Work and potential energy	6	4 th week of February 2024+ 1 st week of March 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Principle of virtual work for a system of coplanar forces acting on a particle or at different points of a rigid body, Forces which	9	2 nd , 3 rd and 4 th week of March 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)

can be omitted in forming the equations of virtual work.			
Centres of gravity of plane area including a uniform thin straight rod, triangle, circular arc, semi-circular area and quadrant of a circle, Centre of gravity of a plane area bounded by a curve, Centre of gravity of a volume of revolution	9	April 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Flexible strings, Common catenary, Intrinsic and Cartesian equations of the common catenary, Approximations of the catenary.	12	May 2024+1 st and 2 nd week of June 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Total Topic	6	3 rd and 4 th week of June 2024	Brief discussion on the total unit as well as detailed discussion on the need based specific portion of the unit. Discussion on answers of unit tests

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Teaching Plan for the Academic Year 2022-2023

Semester-VI

Paper Code: **BSCHMTMC602**

Paper Name: **Numerical Methods & Numerical Lab(UNIT-1 to 4)**

Teacher's Name: **Ms. Pallabi Purkait** (Three classes are allotted per week)



Topic	Number of class/classes needed (approx.)	Expected Time Span	Teaching Aid/Methods
Approximation of numbers, significant digits, Loss of significance, Algebraic manipulation for avoiding loss of significance. Errors: Absolute, Relative and Percentage errors; Round off errors; propagation of round off errors in arithmetic operations; Inherent errors in numerical methods.	3	3 rd week of February 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board, PPT / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Transcendental and Polynomial equations: Bisection method, Newton's method, Secant method, Regula-falsi method, fixed point iteration, Newton-Raphson method. Error and Rate of convergence of these methods	15	4 th week of February + March 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
System of linear algebraic equations:	6	1 st and 2 nd week of April 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)

Gaussian Elimination and Gauss Jordan methods..			
Gauss Jacobi method, Gauss Seidel method and their convergence analysis, LU Decomposition	6	3 rd and 4 th week of April 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Interpolation: Lagrange and Newton's methods, Error bounds, Finite difference operators. Gregory forward and backward difference interpolations.		1 st , 2 nd and 3 rd week of May 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Numerical differentiation: Methods based on interpolations, methods based on finite differences.	3	4 th week of May 2024	Study Materials (Supplied in advance), pdf Presentation, PPT, Chalk, Board, / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Unit-1 to 4	3	1 st week of June 2024	Brief discussion on the total unit as well as detailed discussion on the need based specific portion of the unit. Discussion on answers of unit tests

N.B: HOME ASSIGNMENT WILL BE GIVEN AFTER COMPLETION OF EACH CLASS

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Curriculum/Teaching Plan for the Academic Year 2023-2024

Semester-I (New NCCF, Mathematics Major)

Course Code: BSCMTMMJ101

Course Name: Classical Algebra, Calculus, Analytical Geometry[Unit 1,2& 5]

Teacher's Name: Dr Dalbinder Kour (Three classes allotted per week)



Topics	Expected Time Span	Teaching Aid/Methods
Unit 1: Polar representation of complex numbers, n^{th} roots of unity,	2 nd and 3 rd week August 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Unit 1: De Moivre's theorem for rational indices and its applications, complex functions and their applications.	4 th week August and 1 st week September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Unit 2: Theory of equations: Relation between roots and coefficients, Transformation of equation,	2 nd week and 3 rd week September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Unit 2: Descartes rule of signs, Cubic and biquadratic equations. Reciprocal equation, separation of the roots of equations,	4 th week September 2023 1 st and 2 nd week October 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 2 Strum's theorem.	November 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 1 & 2 Home Assignment Remedial Class	1st week December 2023	Home Assignment in Online mode (Google form/WhatsApp group/ Google Classroom)
Unit 5 Reduction Formulae: Derivations and Illustrations $xe^{\log x}, \sin^n x, \cos^n x, \tan^n x, \text{etc}$	2 nd and 3 rd week December 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 5 $\sin^m x \cos^n x$, More Examples.	4 th week December 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 5 Applications: Parametric Equations, Arc length, Area of surface of revolution Techniques of sketching curves	1 st , 2 nd and 3 rd week January 2024,	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 5 Home Assignment Remedial Class	4th week January 2024	Home Assignment in Online mode (Google form/WhatsApp group/ Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit 1,2&5	1st week February 2024	Brief discussion on overall topics and questions of University examinations.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Curriculum/Teaching Plan for the Academic Year 2023-2024

Semester-III (Old LOCF)

Course Code: BSCHMTMC301

Course Name: Multivariable Calculus[Unit3]

Teacher's Name: Dr Dalbinder Kour (One class allotted per week)



Topics	Expected Time Span	Teaching Aid/Methods
Unit-3: Extrema of Functions and Vector Field	1 st week September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Critical points and extrema of functions of two and more variables, Local extrema and absolute extrema,	2 nd & 3 rd week September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Constrained optimization problems, Method of Lagrange multipliers with various applications,	4 th week September 2023 and 1 st week October 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 3 Home Assignment & Remedial Class	2 nd week October 2023	Home Assignment in Online mode (Google form/WhatsApp group/ Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Definition of vector field, Vector operators such as divergence, curl, gradient	1st and 3rd week November 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
The related vector identities	4th week November 2023 and 1st week December 2023,	Home Assignment in Online mode(Google form/WhatsApp group/ Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit 3 Home Assignment & Remedial Class	2nd week December 2023	Home Assignment in Online mode (Google form/WhatsApp group/ Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit 3	3rd week December 2023	Brief discussion on overall topics and questions of University examinations.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Curriculum/Teaching Plan for the Academic Year 2023-2024

Semester-V(Old LOCF)

Course Code: BSCHMTDSE502 & BSCHMTDSE503

Course Name: Integral Transforms and Fourier Analysis [Unit 2] & Linear Programming and Game Theory [Unity 1&2]

Teacher's Name: Dr Dalbinder Kour (Five classes allotted per week)



Topics	Expected Time Span	Teaching Aid/Methods
<p>Unit-2: Fourier Transforms Fourier Transforms as a limit of Fourier Series. Fourier Integral Theorem (statement only). Determination of Fourier Transform Pairs from Fourier Integral.</p> <p>Unit -1: Introduction to linear programming problem Unit-1: Introduction to linear programming problem.</p>	2 nd & 3 rd week August 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
<p>Unit-2: Definition and properties of Fourier Transforms: Linearity, Change of Scale Property, Shifting Property, Modulation theorem. Fourier Transforms of Derivatives,</p> <p>Unit-1 Theory of simplex method, graphical solution,</p>	4 th week August 2023 and 1 st week September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
<p>Unit-2: Fourier Transforms of some useful functions. Fourier sine and cosine transforms.</p> <p>Unit-1 Convex sets</p>	2 nd week September 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
<p>Home Assignment & Remedial Class</p>	3 rd week September 2023	Home Assignment in Online mode (Google form/WhatsApp group/Google Classroom) ; Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
<p>Unit-2: Inverse Fourier Transform and examples.</p> <p>Unit-1: Optimality and unboundedness, the simplex algorithm, simplex method in tableau format,</p>	4 th week September 2023 and 1 st week October 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
<p>Unit-2: Statements of Convolution Theorem</p> <p>Unit-1 Introduction to artificial variables, two-phase method. Big-M method and their comparison.</p>	2 nd week October 2023 and 1 st week November 2023	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
<p>Home Assignment & Remedial Class</p>	3 rd week November 2023	Home Assignment in Online mode (Google form/WhatsApp group/Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
<p>Unit-2: Plancherel's identity, Rein Lebesgue Lemma and examples.</p>	4 th week November 2021	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E

Unit -2: Duality, formulation of the problem, primal-dual relationships, econ interpretation of the dual, Dual Simplex method.		(Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
Home Assignment & Remedial Class	1 st week December 2024	Home Assignment in Online mode (Google form/WhatsApp group/Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit 2 &Unit -1&2	2 nd week December 2024	Brief discussion on overall topics and questions of University examinations.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Curriculum/Teaching Plan for the Academic Year 2023-2024

Semester-II (New NCCF, Mathematics Major)

Course Code: BSCMTMMJ201

Course Name: Linear Algebra I, Ordinary Differential Equations and Vector Calculus [Unit 5]

Teacher's Name: Dr Dalbinder Kour (One class allotted per week)



Topics	Expected Time Span	Teaching Aid/Methods
Unit 5: Triple product,	4 th Week March 2024 and 1 st & 2 nd Week April 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
introduction to vector functions, operations with vector-valued functions, limits and continuity of vector functions,	3 rd & 4 th Week April 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
vector equations and its simple applications,	1 st , 2 nd & 3 rd Week May 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
differentiation and integration of vector functions.	4 th Week May 2024 and 1 st & 2 nd Week June 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit1 & 2 Home Assignment Remedial Class	3 rd & 4 th Week June 2024	Home Assignment in Online mode (Google form/WhatsApp group/Google Classroom)
Differential operators: gradient, divergence, curl,,	1 st week July 2024,	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 5 Home Assignment Remedial Class	2 nd & 3 rd Week July 2024	Home Assignment in Online mode (Google form/WhatsApp group/Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit 5	4 th Week July 2024	Brief discussion on overall topics and questions of University examinations.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Curriculum/Teaching Plan for the Academic Year 2023-2024

Semester-IV (Old LOCF)

Course Code: BSCHMTMC401

Course Name: Mechanics

Teacher's Name: Dr Dalbinder Kour (Three classes allotted per week)



Topics	Expected Time Span	Teaching Aid/Methods
Unit-III: Rectilinear Motion: Simple harmonic motion (SHM) and its geometrical representation	4 th week February 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Damped and forced vibrations, SHM under elastic forces,	1 st week March 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Motion under inverse square law, Motion in resisting media, Concept of terminal velocity.	2 nd & 3 rd Week March 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
Unit III Home Assignment & Remedial Class	4 th Week March 2024	Home Assignment in Online mode(Google form/WhatsApp group/ Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit-IV: Motion in a Plane: Kinematics and kinetics of the motion, Expressions for velocity and acceleration in Cartesian, polar and intrinsic coordinates;	1 st & 2 nd Week April 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
Motion in a vertical circle, projectiles in a resisting medium, Tangential and Normal equations of motion, cycloidal motion etc.	3 rd Week April 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
Unit IV Home Assignment & Remedial Class	4 th Week April 2024	Home Assignment in Online mode(Google form/WhatsApp group/ Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit-V: Central Orbits: Equation of motion under a central force, Differential equation of the orbit, (p, r) equation of the orbit, Apses and apsidal distances, Areal velocity, Characteristics of central orbits, Stability of nearly circular orbits, Kepler's laws of planetary motion.	1 st , 2 nd & 3 rd Week May 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation).
Unit V Home Assignment & Remedial Class	4 th Week May 2024	Home Assignment in Online mode (Google form/WhatsApp group/ Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit III,IV & V	1 st Week June 2024	Brief discussion on overall topics and questions of University examinations.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

Department of Mathematics

Curriculum/Teaching Plan for the Academic Year 2023-2024

Semester-VI(Old LOCF)

Course Code: BSCHMTC602[Unit 5 & 6]

Course Name: Numerical Methods & Numerical Lab

Teacher's Name: Dr Dalbinder Kour (Three classes allotted per week)



Topics	Expected Time Span	Teaching Aid/Methods
Unit-5: Numerical Integration: Newton Cotes formula,	4 th Week February 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation)
Trapezoidal rule, Simpson's 1/3rd rule, Simpsons 3/8th rule, Weddle's rule, Boole's rule. Midpoint rule, Composite Trapezoidal rule, Composite Simpson's 1/3rd rule, Gauss quadrature formula.	1 st & 2 nd Week March 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
The algebraic eigen value problem: Power method.	3 rd & 4 th week March 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 5 Home Assignment & Remedial Class	1 st Week April 2024	Home Assignment in Online mode (Google form/WhatsApp group/Google Classroom) ; Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit -6: Numerical solution of Ordinary Differential Equations: The method of successive approximations,	2 nd & 3 rd Week 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Euler's method, the modified Euler method, Runge-Kutta methods of orders two and four.	3 rd & 4 th Week 2024	Study Materials (Supplied in advance), pdf Presentation, Chalk, Board / 7E (Engagement/Exploration/Explanation/Elaboration/ /Examples/Exercise/Evaluation).
Unit 6 Home Assignment & Remedial Class	1 st & 2 nd Week May 2024	Home Assignment in Online mode (Google form/WhatsApp group/Google Classroom) Brief discussion on the portion of the unit taught. Discussion on the solutions of class test
Unit 5 & 6	3 rd Week May 2024	Brief discussion on overall topics and questions of University examinations.

Department of History (Hindi shift)
Academic Year: 2023-24

Name of Teacher	Semester	Paper	Module/Unit	Brief Description of the Topics	Period (1 HOUR)
Dr. Sandip Chatterjee	1	<u>BAHISM J101(HISTORY - MAJOR)</u>	UNIT-6	<u>Imperial Guptas — Classical Age, Polity, Economy, Socio-Cultural Aspects, Downfall</u>	9
	1	<u>HISTORY - MINOR</u>	UNIT-6	<u>Imperial Guptas — Classical Age, Polity, Economy, Socio-Cultural Aspects, Downfall</u>	10
	1	<u>Exploring Early Medieval Bengal: c.600 to c. 1200 CE</u> <u>MDC-1</u>	UNIT-1	<u>Rise of Gaudas as a regional power under Sasanka— Political disintegration after Sasanka. The Palas: Origin and early history— Ascendancy— Stagnation, rebellion, and temporary revival— Decline and Disintegration. The Senas: Origin and growth — Integration of sub-regions — End of the Sena rule — Later Sena successors.</u>	14
	1	<u>Archaeology and Museum Making in Colonial India</u> <u>Course Code: BAHHIS SE101</u>	Unit – 1,3	Development of archaeological knowledge: Role of A. Cunningham . Archaeological knowledge and the development of local history : profiles like N. Bhattasali, R. Mitra etc.	20
	2				
	2				
	3	<u>BAHHIS302</u>	Unit - 1,2,3	Islam and the Roman empire. Carolingian empire , Saxon empire. Feudal Society and Economy in Europe : c.800-c. 1100	40

	3	BAHHISG E303	UNIT-1,2	Impact of Soviet Planning: Nehru, Bose and the National Planning Committee. Food Shortage and Agrarian Reforms – different ideas on improvement of productivity: collective farming and agricultural cooperatives – the Congress initiative and its failure following independence.	20
	3	BAHHISSE3 01	Unit – 1,3	Development of archaeological knowledge: Role of A.Cunningham . Archaeological knowledge and the development of local history : profiles like N. Bhattasali, R. Mitra etc.	14
	4	BAHHISG4 01	Unit - 1,2	Europe during 15 th and 16 th century : society, economy and politics . Renaissance and the Church. Ideas of great thinkers : Machiavelli and others . Development of secular culture .	40
	4	BAHHISG E403	Unit - 1,3,5	Definition of Visual and Performative Culture . The theatre culture sites – from Gerasim Lebedev to IPTA movement, Jatra culture – Swadeshi theatre – Origin of Jatra – Proscenium Theatre – National Theatre – Swadeshi Jatra – IPTA Movement . .New space of performing art–the case of Bengali songs and dance – from kabigan and tappa to Swadeshi Sangeet and Ganasangeet– Khemta to Rabindranritya.	40
	5	BAHHISDS E502	Unit -1 to 5	JAPAN FROM PRE-MEJI RESTORATION TO MEJI RESTORATION. Emergence of Japan as an Imperial Power: Sino-Japanese War (1894-'95); Anglo-Japanese Alliance (1902); the Russo-Japanese War (1904-05). Japan through the two World Wars. Japan from Pearl Harbour to Hiroshima and Nagasaki.	59
	5	BAPHISDS E501	Unit -1 to 3	Islam and the Roman empire. Charolingian empire , Saxon empire. Feudal Society and Economy in Europe : c.800-c. 1100	40

	5	BAPHISSE 501	Unit - 1,3	Development of archaeological knowledge: Role of A.Cunningham . Archaeological knowledge and the development of local history : profiles like N. Bhattasali, R. Mitra etc.	14
	6	BAHHISC6 01	Unit -2 &1	World War One- Major events and Peace settlement, Bolshevik Revolution (1917). Economic and Social crisis between the two World War, the great depression and the new deal. Awakening of China- Mao's Long March and rise of communism, Emergence of USA and Japan as major powers. Emergence of New Ideologies – Fascism and Nazism, factors leading to World War II, the Holocaust, Victory of allied powers and shaping of new world order.	59
	6	BAPHISG E601	Unit- 1,3,5	Definition of Visual and Performative Culture . The theatre culture sites – from Gerasim Lebedev to IPTA movement, Jatra culture – Swadeshi theatre – Origin of Jatra – Proscenium Theatre – National Theatre – Swadeshi Jatra – IPTA Movement . .New space of performing art–the case of Bengali songs and dance – from kabigan and tappa to Swadeshi Sangeet and Ganasangeet– Khemta to Rabindranritya.	40
DR. Debashis Mandal	1	<u>BAHISM J101(HISTORY - MAJOR)</u>	UNIT- 2&5	<u>Cults, doctrines and metaphysics</u> <u>The religion of the Vedas</u> <u>The unorthodox sects–Buddhism, Jainism and the doctrine of the Ajivikas</u> <u>Skepticism and materialism</u> <u>Post-Mauryan Empire —</u> <u>Sungas&Kanvas,the Indo Greeks,</u> <u>Kushanas&Satavahanas</u>	20
	1	<u>HISTORY - MINOR</u>	UNIT- 2&5	<u>Cults, doctrines and metaphysics</u> <u>The religion of the Vedas</u> <u>The unorthodox sects–Buddhism,</u>	19

				<p><u>Jainism and the doctrine of the Ajivikas</u> <u>Skepticism and materialism</u></p> <p><u>Post-Mauryan Empire —</u> <u>Sungas&Kanvas,the Indo Greeks,</u> <u>Kushanas&Satavahanas</u></p>	
1	<p><u>Exploring Early Medieval Bengal: c.600 to c. 1200 CE</u> <u>MDC-1</u></p>	UNIT-2,3	<p><u>Glimpses of Social History: Issues of Varna-Jatisystem. Religious,economic, and external influences.</u> <u>Change in attires: Clothing,jewellery, and hairstylewithparticularreference to Charyapadas. Religio-Cultural History: Select Themes.</u> <u>VariousstrandsofBuddhism:Mahayana,Mantrayana,Vajrayana,Sahajayana,and Kalachakrayana — Development of Buddhist iconography since 8thcentury CE. Formation of a regional identity: Puranas,Upapuranasand the interface between Brahmanical and non-Brahmanical religious practices</u></p>	15	
1	<p><u>Archaeology and Museum Making in Colonial India</u> <u>Course Code: BAHHIS SE101</u></p>	Unit :2,4,5	John Marshal & Indian Archaeology. Development of museum movement in colonial India: Provincial museums and local museums	19	
2					
2					
3	BAHHISC302	Unit – 4,5	France under Valois. Crusades , 12 th century renaissance	19	

	3	BAHHISSE301	Unit :2,4,5	John Marshal & Indian Archaeology. Development of museum movement in colonial India: Provincial museums and local museums	30
	3	BAHHISG E303	Unit - 4,5	The turning point in the 1970s – food crisis and the problems of agriculture – the new Agricultural Policy – Green Revolution – industrial performance. The Era of Reform – 1980s and a period of re-assessment – 1990s and the onset of liberalization – the impact of liberalization on Indian economy	20
	3	BAPHISC301	Unit - 3to 5	.Modern Industrialisation—Long-term Constraints . Census and Caste—Colonial ethnology—Sanskritisation, Western ideas and Social reform— Brahma Samaj&ParthanaSamaj. Reformism and Revivalism:The Arya Samaj and RamkrishnaVivekananda Movement.	40
	3	BAPHISSE 302	UNIT- 1,2,3,6	RELATION BETWEEN LITERATURE AND HISTORY ,CONCEPT OF NOVEL . HISTORICAL NOVELS	30
	4	BAHHISC401	Unit -3	Reformation: Martin Luther and contemporary Europe. Anabaptism	19
	4	BAHHISC403	Unit - 1,2,3	Greek war of independence . Revolutions of 1848. Louis Napoleon. Tsarist autocracy .Balkan nationalism .Crimean War.	40
	4	BAHHISG E403	Unit – 2, 4	The domain of marginalized and middle-class– Modernity, colonial state, distortion and indigenous culture – The coming of new form of public entertainment–art, cinema and drama – From Kalighat painting to the Bengal School of Art – From Silent Era Films to PatherPanchali . Physical culture movement in Bengal: Indigenous and western: Hindu Mela, wrestling, lathi khela,	19

				circus and Bratachrias a form of physical culture in Bengal; cricket and football .	
5	BAHHISC501	Unit -1 to6	The colonial state's institutions and ideologies: Colonial economic interests — The East India Company's commerce — Mercantilism to Free Trade — De-industrialisation and Drain of Wealth. Land Settlements and agricultural change — Commercialisation of Agriculture . Modern Industrialisation. Census and caste — colonial ethnology — Sanskritisation, Western education and social reform— BrahmaSamaj&PrarthanaSamaj . Reformism and revivalism	59	
5	BAHHISC502	UNIT - 4,5,6	TRIBAL & PEASANT MOVEMENTS IN INDIA : LATE 19 TH CENTURY.	29	
5	BAPHISDS E501	UNIT -3	Reformation: Martin Luther and contemporary Europe. Anabaptism	19	
5	BAPHISSE 501	Unit - 2,4,5	John Marshal & Indian Archaeology. Development of museum movement in colonial India: Provincial museums and local museums	30	
5	BAPHISGE 501	Unit - 1,3,4,5	Rabindranath Tagore and the west: Europe Pravashir Patra . Tagore and his Shatiniketan asharama. Tagore's concept of "Nationalism". Tagore on Wars .	40	
6	BAHHISC602	Unit -1-4	Early Nationalism: Emergence of Nationalism in India and its historiography- Economic Nationalism and Cultural Nationalism-Rise of Indian National Congress-Moderates and Extremist-Anti-Partition Movement in1905-Swadeshi and Atma Shakti, Revolutionary Movements . Gandhian Nationalism: Gandhi's Rise to power-Rowlatt and Khilafat- Gandhian Mass Movements—Non Cooperation, Civil Disobedience, Quit India Movement . Other Currents in Nationalism: Ambedkar	59	

				and Dalit Movements- Left Movements- Peasants and Workers- Role of INA in Freedom Struggle. Roots of Communalism: Communal Award-Demand for Pakistan: Pakistan Movement from Cripps Mission to Cabinet Mission Plan- Partition, Communal Riots and Independence.	
6	BAHHISDS E604	Unit - 2,3,4,5, 6,7		Cold War—Its Ideology and emergence of American and Soviet Block .Economic and military alliance: NATO, SEATO, COMECON, Warsaw Pact. Crisis in Hungary, Polish question, Suez crisis, Palestine problem, Iran-Iraq conflict, Gulf War of 1990-91, Arab-Israel War . Third World and Its ideology, organizations: OPEC, SAARC, ASEAN. Détente. Collapse of Soviet Bloc:	50
6	BAPHISS E601	Unit -1 to5		Science in Colonial India: Problems and Perspectives. Science and Colonial Explorations: Science and Orientalism-Early European Scientists: Surveyors, Botanists, Doctors under the East India Company Service . Science in Practice: Botanical Garden, Geological Survey of India, Medical College, Indian Association for the Cultivation of Science. Science and Indigenous Personality: Prafulla Chandra Ray, Jagadish Bose, Mahendra Lal Sarkar, MaghnadSaha, C.V. Raman- Emergence of National Science . Colonial Science in India: Science and Indian Nationalism-Response and Resistance- Ideas of Mahatma Gandhi and other Indian Nationalists.	59
6	BAPHISG E601	Unit - 2,4		The domain of marginalized and middle-class– Modernity, colonial state, distortion and indigenous culture – The coming of new form of public entertainment–art, cinema and drama – From Kalighat painting to the Bengal School of Art – From Silent Era	19

				Films to PatherPanchali . Physical culture movement in Bengal: Indigenous and western: Hindu Mela, wrestling, lathi khela, circus and Bratachrias a form of physical culture in Bengal; cricket and football	
Mrs. Nasreen Khatoon	1	<u>BAHISM J101(HISTORY - MAJOR)</u>	UNIT-1	<p><u>Understanding early India : Historical theories and interpretations about the Indian past.</u></p> <p><u>An over view of literary and archaeological sources.</u></p> <p><u>The earliest village farming community in India—transition from pastoral life to the practiceof agriculture: Mehrgarh and its various cultural phases</u></p> <p><u>The first urbanization in the Indian subcontinent—Indus civilization: contemporaryperspectives through a historiography</u></p> <p><u>The early Harappan, Harappan and late Harappan phases: technology, architecture, religionand maritime trade.</u></p> <p><u>End/transformation of the Indus civilization: different theories.</u></p>	10
	1	HISTORY - MINOR	UNIT-1	<p><u>Understanding early India : Historical theories and interpretations about the Indian past.</u></p> <p><u>An over view of literary and archaeological sources.</u></p> <p><u>The earliest village farming community in India—transition from pastoral life to the practiceof agriculture: Mehrgarh and its various cultural phases</u></p> <p><u>The first urbanization in the Indian subcontinent—Indus civilization: contemporaryperspectives through a historiography</u></p>	10

				the Great Powers – (a) United States (b) Soviet Union (c) China. India and Globalisation – Economic Diplomacy – The Look East Policy and the European Union . India’s Nuclear Policy.	
	4	BAPHISSE 401	Unit -1 to 6	Historical Factors in India’s foreign policy. India and the Third World – Non-alignment Movement. India and South Asia. India and the Great Powers – (a) United States (b) Soviet Union (c) China. India and Globalisation – Economic Diplomacy – The Look East Policy and the European Union . India’s Nuclear Policy.	44
	5	BAHHISC5 02	UNIT - 1,2,3	TRIBAL & PEASANT MOVEMENTS IN INDIA : EARLY 19 TH CENTURY.	30
	6	BAHHISDS E601	Unit -1- 5	The Background: The Economic and Social development of Russia in the 19th century – reform of Alexander II – the evolution of serfdom: Industrialization and the working class: the Russian intelligentsia and Slavophil, Westernizers, the Populists and the Social Democrats. The nature of the Bolshevik State and Soviet Democracy – war communism, the new economic policy and the rise of the planned economy. Nationalities and Nationalism in Russia and the Era of Joseph Stalin till 1945.	59
Mrs. Kanchan Kumari	1	<u>BAHISM J101(HISTORY - MAJOR)</u>	UNIT-4	<u>Formation of Mauryan Empire — Polity, Economy, Socio-Cultural Aspects, Downfall</u>	10
	1	HISTORY-MINOR	UNIT-4	<u>Formation of Mauryan Empire — Polity, Economy, Socio-Cultural Aspects, Downfall</u>	10
	2				

	3	BAHHISC303	Unit - 2,3,4,5	Babur and the establishment of Mughal rule in India .Consolidation of Mughal empire : 16 th and 17 th Century . Administrative institutions: Mansab, Jagir, etc. Rajput policy of the Mughals .Economy : role of the Peasants .	40
	3	BAPHISC301	Unit -1 ,2	Colonial State institutions and ideologies: Colonial Economic interests, Company's Commerce, Mercantilism to Free trade, Deindustrialisation and Drain of Wealth. Land Settlements and agricultural change—Commercialisation of Agriculture	19
	4	BAHHISC402	Unit 1 to 5	Historiography of the French Revolution. Crisis of the Ancient Regime . Intellectual impetus— socio-economic background . Phases of the French Revolution—1788-99 .Rise of Napoleon—Empire building & consolidation: Impact of the French Revolution and Napoleon Bonaparte outside France: Fall of Napoleon & Restoration of old order—The Vienna Congress (1815) & Metternich	59
	4	BAPHISC401	Unit -1-4	Early Nationalism: Emergence of Nationalism in India and its historiography- Economic Nationalism and Cultural Nationalism-Rise of Indian National Congress-Moderates and Extremist-Anti-Partition Movement in 1905-Swadeshi and Atma Shakti, Revolutionary Movements . Gandhian Nationalism: Gandhi's Rise to power-Rowlatt and Khilafat- Gandhian Mass Movements—Non Cooperation, Civil Disobedience, Quit India Movement . Other Currents in Nationalism: Ambedkar and Dalit Movements- Left Movements- Peasants and Workers- Role of INA in Freedom Struggle.Roots of Communalism: Communal Award-Demand for Pakistan: Pakistan Movement from Cripps Mission to Cabinet Mission Plan- Partition, Communal	59

				Riots and Independence.	
	5	BAHHISDS E503	Unit - 4,5	Movements, Reform and Restoration in China: The Reform Movement of 1898; Boxer Rebellion—causes, nature and failure; Chinese Revolution of 1911—role of Dr. Sun Yat-sen; Yuan Shih-Kai and Warlordism; May 4th Movement; the rise of the Kuo-Min Tang Party; the First United Front; Chiang Kai-shek; financial imperialism in CHINA. Formation of Communist Republics in China: Foundation of the Communist Party; Mao Tse-Tung and the making of the Red Army; the Second United Front; Long March and the Yen-an experiment; the Chinese Revolution (1949)— ideology, causes and significance; the establishment of the People’s Republic of China.	19
	6	BAPHISD SE601	Unit 1-4	The French Revolution and Napoleon: Crisis of AncienRegime: Socio-Political and Economic Condition, Intellectual Impetus: The Revolution in the making, Phases of the French Revolution: the Aristocratic Revolution, The rise of Napoleon Bonaparte: Napoleonic Empire and Europe, Fall of Napoleon: Continental System, Impact of Napoleon in Europe. Movements of National Aspirations: Unification of Italy, Unification of Germany, The Third Republic and the Paris Commune, The Eastern Question. causes of first world war	59
Dr. Shamali Bhattacharyay	1	<u>BAHISM J101(HIS TORY - MAJOR)</u>	UNIT-3	<u>Empire Building in India — Mahajanapadas to Kingdom</u>	10
	1	HISTOR Y - MINOR	UNIT-3	<u>Empire Building in India — Mahajanapadas to Kingdom</u>	10
	1	<u>Explorin g Early</u>	UNIT-4	ECONOMIC HISTORY OF BENGAL. DEVELOPMENT OF AGRARIAN	10

	<u>Medieval Bengal: c.600 to c. 1200 CE</u> <u>MDC-1</u>		TECHONOLOGY IN ANCIENT BENGAL .	
3	BAHHISC303	Unit - 1,6	Mughal India: Sources and Historiography. Religion and Society during Mughal India (Sufism, Sul-i-Kul, Din-I -Ilahi) Mughal Painting . Mughal architecture.	19
3	BAHHISG E303	Unit -3	Planning in the 1950s - priority on heavy industry – Planning Commission and industrial policy – the rise of public sector.	19
3	BAPHISSE 302	UNIT- 4,5	HISTROCAL NOVELS OF Bankim Chadra Chattopadhyay, Tarashankar Bandyopadhyay and others.	19
4	<u>BAHHISG E401</u>	UNIT- 1,2	History and Development of Science under the Colonial Empire-Perspectives and Recent Historical Debates/ Discourse/ Trajectories . Science and Colonial Empire: Concepts and Contours-Different Colonial Experiments in India. Fundamental Research in Science in India.	20
4	<u>BAHHISG E401</u>	UNIT- 3	Colonial Science: Indian and Western Interaction- Role of Institutions in Promoting Scientific Knowledge (Botanical Garden, Medical Colleges, Calcutta School of Tropical Medicine, Bose Institute, Indian Institute of Science etc.)	10
4	<u>BAHHISG E401</u>	UNIT-4	Science and Empire-Indian Responses and Resistance-Ideas of Mahatma Gandhi and Jawaharlal Nehru	9
4	<u>BAHHISG E401</u>	UNIT-5	Scientific Activities under the Empire-Social, Political and Cultural Implication and Historical Debates	20
4	BAHHISC4	Unit -	Society and Economy in Nineteenth Century	19

		03	4,5	Europe: Industrial Revolution & emergence of the working class. Utopian Socialism. Nationalism in Eastern and Southeastern Europe: Czech, Hungarian, and Serbian.	
	5	BAHHISDS E503	Unit – 1,2,3	Pre -modern China. China : from Opium war to taiping rebellion . Tung-chih Restoration and the Selfstrengthening Movement – causes, feature and impact.	40
	5	BAPHISGE 501	Unit-2	Rabindranath Tagore on History	19
	6	BAHHISDS E604	Unit -1	A New World Order and the Origin of the ColdWar	9

UNIT WISE TEACHING PLAN ,SEMESTER –I

ACADEMIC YEAR :2023-24	SEMESTER-I
COURSE ; UG	COURSE NAME: INTRODUCTION TO EDUCATION
SUBJECT CODE: BAEDCMJ101	SUBJECT TYPE: Theory
PAPER CODE : MJC-1	WORK LOAD : 5 HRS IN A WEEK.(SR-2,PS-3)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
8	1	SR	Introduction 1.1 Education: Meaning, Definitions and Nature 1.2 Scope and Functions of Education	August	1 st ,2 nd ,3 rd ,4 th	Lecture & Presentation
12	1	PS	1.3 Goals of Education in emerging Indian Society 1.4 Importance of Education 2.2 Liberal Education, Professional Education, Vocational Education, Technical Education 2.3 Face-to-face Education 2.4 Distance Education	August	1 st ,2 nd ,3 rd ,4 th	Lecture & Presentation
8	2	SR	Agencies of Education 3.1 Home & Family 3.2 School,	September	1 st ,2 nd ,3 rd ,4 th	Lecture & Presentation
12	3	PS	3.3 Community 3.4 Mass-media: Concept and importance in education in reference to modern Indian society	September	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
8	4	SR	Factors of education 4.1 Learners. 4.2 Teachers.	October	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
12	4	PS	4.3 School 4.4 Curriculum	November	1 st ,2 nd ,3 rd ,4 th	
2			Remedial Classes	December	3rd & 4th	Lecture & Presentation
2			Remedial Classes	December	3rd & 4th	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

ACADEMIC YEAR :2023-24	SEMESTER-I
COURSE ; UG	COURSE NAME: COMPUTER APPLICATION IN EDUCATION.
SUBJECT CODE: BAEDCSE101	SUBJECT TYPE: Theory and Practical
PAPER CODE : SEC-1	WORK LOAD : 3 HRS IN A WEEK.(SR-2,PS-1)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
16	2	SR	Basics of MS WORD 1.1Type a word document with the following specifications: 1.2Text in Times New Roman, font size 12. 1.3Title in French Script MT, font size 16, bold and underlined. 1.4Insert a table of 4x4 in between the text. 1.5Design a colourful merit certificate mentioning the event name, event date, venue, organiser etc. name of the candidate and his/her affiliation, rank/position in landscape orientation with a light coloured background and appropriate design border around the document.	AUGUST & SEPTEMBER	1 st ,2 nd ,3 rd & 4 th	Lecture & Practical
8	1	PS	Introduction to Computer and Internet in Education 1.1Computer and its role in education; Basic concepts of Hardware and Software . 1.2. Computer Network and Internet. 1.3. E-mail, Search Engines, Safe surfing mode, E-learning resources, Social networkings.	AUGUST & SEPTEMBER	1 st ,2 nd ,3 rd & 4 TH	Lecture & Practical
16	3	SR	Basics of MS EXCEL 3.1. Calculating Total & Average . 3.2. Mark Sheet Preparation 3.3 Graphical representation of data: Pie-chart & Bar graph.	October & November	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation

8	4	PS	Basics of MS POWERPOINT 4.1 Preparation of slides containing text matter, graphs, images, tables etc . 4.2 Animation Setting. 4.3 Slide designing and presentation.	October & November	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
			Remedial Classes	December & January	1st, 2nd 3rd & 4th	Lecture & Presentation
			Remedial Classes	December & January	1st, 2nd ,3rd & 4th	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

UNIT WISE TEACHING PLAN , SEMESTER III

ACADEMIC YEAR :2023-24	SEMESTER-III
COURSE ; UG	COURSE NAME: SOCIOLOGICAL FOUNDATIONS OF EDUCATION.
SUBJECT CODE: BAHEDCC301	SUBJECT TYPE: Theory
PAPER CODE : CC-5	WORK LOAD : 3 HRS IN A WEEK.(SR-1,PS-2)

--	--	--	--	--	--	--

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
6	1	PS	Introduction 1.1 Education: Meaning, Need, Scope and Functions. 1.2 Aims of Education in reference to present Indian Society. 1.3 Sociology: Meaning, Nature, Scope and Functions. Relationship between Education and Sociology.	August	4 th	Lecture & Presentation
4	2	SR	Education and Society 2.1 Education as a Social Subsystem. 2.2 Types of Education – Formal, Informal, Non-formal and its impact on Society. 2.3 Role of Agencies- Home, School, Family and Community in Societal Development. 2.4 Mass-media- concept and importance in education in reference to modern Indian society	August & September	1 st , 2 nd , 3 rd , 4 th	Lecture & Presentation
6	3	PS	School and Society 3.1 Role of School as a miniature form of Society. 3.2 Role of School in Social Development. 3.3 Role of Society in Social Development. 3.4 Interaction between School and Society.	September & October	1 st , 2 nd , 3 rd , 4 th	Lecture & Presentation
4	4	SR	Sociological Bases of Education 4.1 Role of Education and Society in preservation and progression of knowledge and transmission of cultural heritage and tradition. 4.2 Need based education for modern society (societal expectations of education). 4.3 Role of Education in socialization and social change. 4.4 Role of Education in social mobility & social stratification.	October & November	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
	5	PS	Sociological Bases of Education 5.1 Role of Education and Society in preservation and progression of knowledge and transmission of cultural heritage and tradition.	November & December	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation

			5.2Need based education for modern society (societal expectations of education). 5.3Role of Education in socialization and social change. 5.4Role of Education in social mobility & social stratification.			
	6	SR	VI Religion and Culture 6.1Concept of Religion in India 6.2Role of Religion in Education and Social Development 6.3Concept of Culture Role of Culture in Education and Social Development	November & December	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
2			Remedial Classes	January	3 rd & 4 th	Lecture & Presentation
2			Remedial Classes	January	3 rd & 4 th	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

ACADEMIC YEAR :2023-24	SEMESTER-III
COURSE ; UG	COURSE NAME: PSYCHOLOGICAL FOUNDATIONS OF EDUCATION.
SUBJECT CODE: BAHEDCC302	SUBJECT TYPE: Theory
PAPER CODE : CC-6	WORK LOAD : 3 HRS IN A WEEK.(SR-1,PS-2)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
---------------------	-----------	---------------------	-----------------	----------------	---------------	--------------------------

ES		R				
2	1	PS	Psychology and Education 1.1 Concept of Psychology and Its relation with education 1.2 Concept and Nature of Educational Psychology 1.3 Scope of Educational Psychology	August	4 th	Lecture & Presentation
4	2	SR	Cognition 2.1 Sensation and Perception 2.2 Neural basis of cognition: Structure and Electrical potentials of Neuron & Synoptic transmission 2.3 Human Brain: Structure and Functions 2.4 Neo-endocrinal System	August & September	1 st , 2 nd , 3 rd , 4 th	Lecture & Presentation
8	3	PS	Growth and Development 3.1 Concept and Factors 3.2 Stages and Types of Human Development: Physical, Motor, Psycho-Social (Erikson), Cognitive (Piaget) and Moral (Kohlberg)	September & October	1 st , 2 nd , 3 rd , 4 th	Lecture & Presentation
3	4	SR	Learning 4.1 Concept 4.2 Characteristics 4.3 Theories: Trial and Error, Classical and Operant Conditioning, Insightful Learning 4.4 Factors: Motivation, Memory and Attention	October & November	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
8	5	PS	Intelligence 5.1 Concept 5.2 Theories: Spearman, Guildford, Thurstone 5.3 Measurement: Brief description on Individual, Group, Verbal and Non-Verbal tests 5.4 Creativity: Meaning, Nature and Characteristics	November & December	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
4	6	SR	Teaching 6.1 Concept and Characteristics 6.2 Role of teacher in modifying students' behaviour 6.3 Teaching Methods: Lecture, Demonstration and Tutorial 6.4 Concept of Constructivist Teaching and its difference with traditional teaching	November & December	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
2		SR	Remedial Classes	January	3 rd & 4 th	Lecture &

						Presentation
2		PS	Remedial Classes	January	3rd & 4th	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

ACADEMIC YEAR :2023-24	SEMESTER-III
COURSE ; UG	COURSE NAME: SCHOOL ORGANIZATION AND EDUCATIONAL MANAGEMENT.
SUBJECT CODE: BAHEDCC303	SUBJECT TYPE: Theory
PAPER CODE : CC-7	WORK LOAD : 3 HRS IN A WEEK.(SR-2,PS-1)

NUMBE	UNIT	NAME		EXPECTED	EXPECTE	METHODS OF
-------	------	------	--	----------	---------	------------

RS OF LECTURES	CODE	OF THE TEACHER	TOPICS TO TEACH	MONTH	D WEEK	TEACHING/AIDS
8	1	SR	Educational Management 1.1 Concept & Nature 1.2 Scope 1.3 Functions 1.4 Types: Autocratic, Democratic, centralized and decentralized Laissez-fair, and	August	4 th	Lecture & Presentation
4	2	PS	Educational Administration and School Organization 2.1 Educational Administration: Meaning and Functions 2.2 Difference between Administration and Management 2.3 School Organization: Meaning and Functions 2.4 School building, Time table and Welfare Services	August & September	1 st , 2 nd , 3 rd , 4 th	Lecture & Presentation
8	3	SR	Educational Supervision 3.1 Modern Concept & Difference between Supervision and Inspection 3.2 Purpose 3.3 Types 3.4 Qualities of a Supervisor	September & October	1 st , 2 nd , 3 rd , 4 th	Lecture & Presentation
4	4	PS	Educational Planning 4.1 Meaning and Significance 4.2 Types 4.3 Steps 4.4 Institutional Planning	October & November	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
8	5	SR	Functions of Administrative Bodies 5.1 UGC 5.2 NCERT & SCERT 5.3 NCTE 5.4 DIET	November & December	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
4	6	PS	Teaching 6.1 The role of Central and State Government in School Organisation 6.2 Administrative Structure of Secondary Education of West Bengal 6.3 West Bengal Board of Secondary Education 6.4 West Bengal Council of Higher Secondary Education	November & December	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
4			Remedial Classes	January	3 rd & 4 th	Lecture &

						Presentation
2			Remedial Classes	January	3rd & 4th	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

ACADEMIC YEAR :2023-24	SEMESTER-III
COURSE ; UG	COURSE NAME: COMPUTER APPLICATION IN EDUCATION.
SUBJECT CODE: BAHEDCSEC301	SUBJECT TYPE: Theory
PAPER CODE : SEC-1	WORK LOAD : 2 HRS IN A WEEK.(SR-2)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
---------------------	-----------	---------------------	-----------------	----------------	---------------	--------------------------

16	2	SR	Basics of MS WORD 2.1Type a word document with the following specifications: 2.2Text in Times New Roman, font size 12. 2.3Title in French Script MT, font size 16, bold and underlined. 2.4Insert a table of 4x4 in between the text. 2.5Design a colourful merit certificate mentioning the event name, event date, venue, organiser etc. name of the candidate and his/her affiliation, rank/position in landscape orientation with a light coloured background and appropriate design border around the document.	October , November	October & November All the week	Lecture & Practical.
14	2	PS		October , November	October & November All the week	Practical

#After Completion of each unit Students will be given Project to Complete.

UNIT WISE TEACHING PLAN ,SEMESTER -V

ACADEMIC YEAR :2023-24	SEMESTER-V
COURSE ; UG	COURSE NAME: CONTEMPORARY ISSUES IN EDUCATION .
SUBJECT CODE: BAHEDCC501	SUBJECT TYPE: THEORY
PAPER CODE : CC-11	WORK LOAD : 3 HRS IN A WEEK.(SR-1,PS-2)

NUMBERS OF	UNIT CODE	NAME OF THE	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AI
------------	-----------	-------------	-----------------	----------------	---------------	------------------------

LECTUR ES		TEACHE R				DS
4	Unit-1	SR	Indian Constitution and the Right to Education 1.1Constitutional goal for Indian Education 1.2Right to education and provisions in the Indian constitution 1.3The right of children to free and compulsory education act 2009 (brief outline)	August & September	4 th -1 st ,2 nd	Lecture & Presentation
10	Unit -2	PS	Elementary Education 2.1Universalisation of elementary education-Meaning, aims & objectives 2.2Sarva Sikshya Abhiyan (SSA), District Primary Education Project (DPEP) - Objectives and functions. 2.3Challenges and problems of Elementary Education	August & September	4 th -- 1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
3	Unit-3	SR	Secondary Education 3.1Quality concerns in secondary education 3.2Rashtriya Madhyamik Sikshya Abhiyan (RMSA)- Objectives and functions. 3.3Challenges and problems of secondaryeducation	October	2 nd , 3 rd , 4 th	
8	Unit-4	PS	Higher Education 4.1Developments, concerns and 4.2prospects 4.3Challenges and Problems of Higher education.	October	1 st ,2 nd & 3 rd Week	Lecture & Presentation
4	Unit-5	SR	Present Issues in Education <ul style="list-style-type: none"> • Gender issues in education • Issues of quality and equity • Value education, peace education (Significance) 	November	1 st ,2 nd & 3 rd ,4 th	Lecture & Presentation
2	Unit-6	SR	VI Trends in Indian Education <ul style="list-style-type: none"> • SWAYAM • Family life education • Privatization of education 	December	1 st ,2 nd	Lecture & Presentation
2			Remedial Classes	December	3 rd & 4 th	Lecture & Presentation
2			Remedial Classes	December	3 rd & 4 th	Lecture & Presentation

Students will be given home assignments after Completion of course.

ACADEMIC YEAR :2023-24	SEMESTER-V
COURSE ; UG	COURSE NAME: GUIDANCE AND COUNSELLING IN EDUCATION .
SUBJECT CODE: BAHEDCC502	SUBJECT TYPE: THEORY
PAPER CODE : CC-12	WORK LOAD : 3 HRS IN A WEEK.(SR-2,PS-1)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AID S
2	1	SR	Concept and Types of Guidance 1.1Meaning and principles of guidance 1.2Scope and importance of guidance 1.3Types of guidance- Individual and Group guidance	August	4 th	Lecture & presentation
5	2	PS	Agencies of Guidance 2.1Guidance at different levels of education 2.2Importance of guidance at different levels of education 2.3Importance of guidance for adolescent	August & September	1 st & 2 nd & 3 rd ,4 th	Lecture & presentation
8	3	SR	Concept and Types of Counselling 3.1Meaning and characteristics of counselling 3.2Principles and importance of counselling 3.3Types of Counselling- Directive, Non-Directive, Eclectic	September	1 st ,2 nd ,3 rd ,4 th	Lecture & presentation
4	4	PS	Areas of Counselling 4.1Individual and Groupcounselling- Concepts, needs and significance 4.2Educational and Vocational Counselling- Concepts, needs and significance 4.3Counselling andPsychotherapy	October	1 st ,2 nd ,3 rd ,4 th	Lecture & presentation
10	5	SR	Guidance and Counselling Services <ul style="list-style-type: none"> • General characteristics of guidance and counselling service • Type of guidance and counselling services • Placement service and follow-up 	October & November	1 st ,2 nd ,3 rd ,4 th	Lecture & presentation

			service			
5	6	PS	Personnel in Guidance Programme <ul style="list-style-type: none"> • Characteristics and role of guidance personnel– the counsellor • Role of guidance personnel– career master • Characteristics and role of guidance personnel– parents 	November	1 st ,2 nd ,3 rd ,4 th	Lecture & presentation
2			Remedial Classes	December	3rd & 4th	Lecture & Presentation
2			Remedial Classes	December	3rd & 4th	Lecture & Presentation

Students will be given a project after Completion of course.

ACADEMIC YEAR :2023-24	SEMESTER-V
COURSE ; UG	COURSE NAME: TEACHER EDUCATION.
SUBJECT CODE: BAHEDCDSE501	SUBJECT TYPE: THEORY
PAPER CODE : DSE-1	WORK LOAD : 3 HRS IN A WEEK.(SR-1,PS-2)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
5	1	SR	Concept of Teacher Education 1.1Meaning and need of teacher education 1.2Scope and nature of teacher education 1.3Aims and objectives of teacher education	August & September	4 th - 1 st ,2 nd ,3 rd & 4 th	Lecture & presentation
8	2	PS	History of Teacher Education in India 2.1A Historical perspective pre and post independence Era 2.2Recommendations of various commissions and committees for teacher education. 2.3Integrated Teacher Education Programme (concepts, aims and objectives)	September	1 st ,2 nd ,3 rd & 4 th	Lecture & presentation
4	3	SR	Teaching as a Profession 3.1Professionalism – Meaning and Characteristics 3.2Role and the responsibility of teacher’s, professional organizations 3.3Developing professionalism for teacher educators	October	1 st ,2 nd ,3 rd &4 th	Lecture & presentation
6	4	PS	Teacher Education Programme at Different Levels 4.1Teacher Education for primary education level 4.2Teacher Education for secondary level 4.3Teacher Education for Higher education level	October	1 st ,2 nd ,3 rd	Lecture & presentation
4	5	SR	Academic and Administrative Control on Teacher Education	November	1 st ,2 nd ,3 rd & 4 th	Lecture & presentation

			Objectives and functions- 5.1-District Institute of education and Training (DIET) 5.2-National Council for Teacher education (NCTE) 5.3-National University of Educational Planning and Administration (NUEPA) and National Council of Educational Research and Training (NCERT)			
8	6	PS	Major Issues and Problems of Teacher Education 6.1Curricular reform and evaluation system 6.2Quality assurance in in-service and pre-service teacher education 6.3Problems of teacher education	November	1st,2 nd ,3 rd & 4 th	Lecture & presentation
2			Remedial Classes	December	3 rd & 4 th	Lecture & Presentation
2			Remedial Classes	December	3 rd & 4 th	Lecture & Presentation

Students will be given a project after Completion of course.

ACADEMIC YEAR :2023-24	SEMESTER-V
COURSE ; UG	COURSE NAME: PSYCHOLOGY OF MENTAL HEALTH AND HYGIENE .
SUBJECT CODE: BAHEDCDSE502	SUBJECT TYPE: THEORY
PAPER CODE : DSE-2	WORK LOAD : 3 HRS IN A WEEK.(SR-1,PS-2)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
2	1	SR	Introduction to Mental Health 1.1 Concepts, nature and scope of mental health 1.2 Concept of normality and abnormality 1.3 Factors affecting mental health	August & September	4 th - 1 st , 2 nd , 3 rd & 4 th	Lecture & presentation
4	2	PS	History & Importance of Mental Health 2.1 History of mental health 2.2 Importance of mental health . 2.3 Criteria for a mentally healthy person	September	1 st , 2 nd , 3 rd & 4 th	Lecture & presentation
16	3	SR	Adjustment and Maladjustment 3.1 Concept of adjustment and maladjustment 3.2 Causes of maladjustment 3.3 Indicators of maladjustment (with special reference to frustration, anxiety, phobias & manias)	October & November	1 st , 2 nd , 3 rd , 4 th	Lecture & presentation
8	4	PS	Mental Illnesses 4.1 Common psychological disorders related to anxiety, mood and cognition 4.2 Psychological disorders: Meaning, Psychosis and Neurosis 4.3 Stress and conflict management	October & November	1 st , 2 nd , 3 rd & 4 th week	Lecture & presentation
8	5	SR	Treatment/Methods for the Preservation and Enhancement of Mental Health 5.1-Important psychotherapies: behavior therapy 5.2-Important Psycho-analysis in mental health 5.3-Cognitive Behaviour Therapy (CBT) and Rational Emotive Behavior Therapy (REBT): Their implication in Mental Health	December	1 st , 2 nd , 3 rd & 4 th week	Lecture & presentation

4	6	PS	Education and Mental Health 6.1-Principles of good mental health 6.2-Importance of education for good mental health 6.3-Role of home and society in maintaining good mental health	December	1 st ,2 nd ,3 rd & 4 th week	Lecture & presentation
2			Remedial Classes	December	3rd & 4th	Lecture & Presentation
2			Remedial Classes	December	3rd & 4th	Lecture & Presentation

Students will be given a project after Completion of course.

UNIT WISE TEACHING PLAN , SEMESTER II

ACADEMIC YEAR :2023-24	SEMESTER-2
COURSE-UG	COURSE NAME- Development of Indian Education

SUBJECT CODE: BAEDCMJ151	SUBJECT TYPE: Theory
PAPER CODE- MJC-2	WORK LOAD: 5Hours in a Week(Sr-2,Ps-3)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
8	1	SR	<p><u>Unit I: Education in India during Ancient and Medieval Period</u></p> <p>Vedic Period: Aims, Curriculum, Method of Teaching, System of Evaluation.</p> <p>Brahmanic Period: Aims, Curriculum, Method of Teaching, System of Evaluation.</p>	April	1 st ,2 nd ,3 rd & 4 th .	Lecture & Presentation
8	1	PS	<p><u>Unit I: Education in India during Ancient and Medieval Period</u></p> <p>Buddhist Period: Aims, Curriculum, Method of teaching, System of Evaluation.</p> <p>Islamic Period: Aims, Curriculum, Method of Teaching, Women Education.</p>	April	1 st ,2 nd ,3 rd & 4 th .	Lecture & Presentation
6	2	SR	<p><u>Unit II: Education in India during British Period (1800-1853)</u></p> <p>Sreerampore Trio</p> <p>Charter Act (1813)</p>	May	1 st ,2 nd ,3 rd & 4 th .	Lecture & Presentation.
8	2	PS	<p><u>Unit II: Education in India during British Period (1800-1853)</u></p> <p>Macaulay's Minute</p> <p>Adam's Report</p>	May	1 st ,2 nd ,3 rd & 4 th .	Lecture & Presentation
8	3	SR	<p><u>Unit III : Education in India during British Period (1854-1946)</u></p> <p>Wood's Despatch(1854)</p> <p>Hunter Commission</p>	June	1 st ,2 nd . 3 rd & 4 th	Lecture & Presentation

12	3	PS	<u>Unit III</u> : Education in India during British Period (1854-1946) Educational Contribution of Lord Curzon Calcutta University Commission	June	1 st ,2 nd & 3 rd	Lecture & Presentation
8	4	SR	<u>Unit IV</u>: Education in India after Independence. Radhakrishnan Commission Mudaliar Commission	July	1 st ,2 nd ,3 rd & 4 th .	Lecture & Presentation
12	4	PS	<u>Unit IV</u>: Education in India after Independence. Kothari Commission National Policy on Education (1968 & 1986), Programme of Action (POA) (1992), National Education Policy 2020.	July	1 st ,2 nd ,3 rd & 4 th .	Lecture & Presentation
4			Remedial Classes	August	1 st ,2 nd	Lecture & Presentation
6			Remedial Classes	August	1 st ,2 nd	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

ACADEMIC YEAR :2023-24	SEMESTER-2
COURSE-UG	COURSE NAME- Teaching and Learning
SUBJECT CODE: BAEDCSE151	SUBJECT TYPE: Theory
PAPER CODE- SEC-2	WORK LOAD: 3Hours in a Week(PS-1,SR-2)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
8	1	SR	<u>Unit I</u> : Teaching and Learning. Teaching: Meaning and Nature of Teaching. Learning: Meaning and Nature of Learning.	April	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
4	1	PS	<u>Unit I</u> : Differences between Teaching and Learning. Comparison between Traditional Teaching and Constructivist Teaching.	April	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
8	2	SR	<u>Unit II</u> : Factors of effective classroom teaching. Factors of Learning.	May	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
4	2	PS	<u>Unit II</u> : Phases of Teaching: Pre-active, Inter-active and Post-active.	May	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
8	3	SR	<u>Unit III</u> : Classroom Teaching and Teacher. General and Psychological Principles of Teaching. Maxims of Teaching. Functions of a teacher as a planner, as a facilitator, as a counsellor, as a researcher.	June	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
4	3	PS	<u>Unit III</u> : Classroom Teaching and Teacher. 21 st Century Skills and Teacher.	June	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
8	4	SR	<u>Unit IV</u> : Teaching Methods and Theories Demonstration, Story Telling, Lecture and Problem Solving. Capability Pedagogy – Amartya Sen	July	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation

4	4	PS	<u>Unit IV</u> : Teaching Methods and Theories Pedagogy of the Oppressed –PauloFreire.	July	1 st ,2 nd ,3 rd & 4 th	Lecture & Presentation
4			Remedial Classes	August	1 st ,2 nd	Lecture & Presentation
2			Remedial Classes	August	1 st ,2 nd	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

UNIT WISE TEACHING PLAN ,SEMESTER IV

ACADEMIC YEAR :2023-24	SEMESTER-4
COURSE-UG	COURSE NAME: EDUCATIONAL TECHNOLOGY
SUBJECT CODE: BAHEDCC401	SUBJECT TYPE: Theory
PAPER CODE- CC-8	WORK LOAD: 4Hours in a Week(Sr-1,Ps-3)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
4	1	SR	Unit I Concept of Educational Technology <ul style="list-style-type: none"> • Meaning of Educational Technology • Nature and Scope of Educational Technology • Need of Educational Technology Components of Educational Technology – Hardware & Software	April	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
6	2	PS	Unit-II System Approach to Education <ul style="list-style-type: none"> • Definitions of Systems • Need for System Approach • Classification of Systems Components of System	April	1 st and 2 nd	Lecture & Presentation
4	3	SR	Unit-III Communication <ul style="list-style-type: none"> • Meaning, nature and types of communication • Barriers of communication • Components of communication process Role of communication in effective teaching-learning process	May	1 st , 2 nd , 3 rd & 4 th	Lecture & Presentation
6	4	PS	Unit-IV Mass Instructional Techniques	April	3 rd & 4 th	Lecture & Presentation

			<ul style="list-style-type: none"> • Seminar • Workshop • Panel Discussion • Team Teaching 			
6	5		Unit V Personalized Instructional Techniques <ul style="list-style-type: none"> • Programmed Learning • Mastery Learning • Micro-Teaching • Computer Assisted Instruction (CAI) 	May	1 st & 2 nd	Lecture & Presentation
2			Remedial Classes	May	4 th	Lecture & Presentation
2			Remedial Classes	May	4 th	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

ACADEMIC YEAR :2023-24	SEMESTER-4
COURSE-UG	COURSE NAME: CURRICULUM STUDIES
SUBJECT CODE: BAHEDCC402	SUBJECT TYPE: Theory
PAPER CODE- CC-9	WORK LOAD: 4Hours in a Week(Sr-2,Ps-2)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
---------------------	-----------	---------------------	-----------------	----------------	---------------	--------------------------

4	1	SR	Unit I Introduction to Curriculum <ul style="list-style-type: none"> • Meaning, nature, scope and functions of curriculum • Concepts of curriculum and syllabus Types of curriculum: Explicit & Hidden; Activity Based	April	1 st & 2 nd	Lecture & Presentation
4	2	PS	Unit II Bases of Curriculum <ul style="list-style-type: none"> • Philosophical • Sociological • Psychological 	April	1 st & 2 nd	Lecture & Presentation
8	3	SR	Unit III Objectives of Curriculum <ul style="list-style-type: none"> • Need to form objectives of curriculum • Areas of educational objectives: Bloom's Taxonomy (revised) • Curriculum content and curriculum organization 	April & May	3 rd , 4 th & 1 st , 2 nd	Lecture & Presentation
8	4	PS	Unit IV Concept of Curriculum Framework <ul style="list-style-type: none"> • Principles of curriculum construction • NCF-2005 UGC-Model of curriculum development : CBCS	April & May	3 rd , 4 th & 1 st , 2 nd	Lecture & Presentation
6	5	SR	Unit V Curriculum Evaluation <ul style="list-style-type: none"> • Meaning of curriculum evaluation • Significance of curriculum 	May	3 rd & 4 th	Lecture & Presentation

			evaluation Formative and Summative evaluation of curriculum			
2			Remedial Classes	May	4th	Lecture & Presentation
2			Remedial Classes	May	4th	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

ACADEMIC YEAR :2023-24	SEMESTER-4
COURSE-UG	COURSE NAME: INCLUSIVE EDUCATION
SUBJECT CODE: BAHEDCC403	SUBJECT TYPE: Theory
PAPER CODE- CC-10	WORK LOAD: 2Hours in a Week(Sr-1,Ps-1)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
2	1	SR	Unit I Introduction to Inclusive Education <ul style="list-style-type: none"> • Concept and meaning of inclusive education • Objectives of inclusive education Need and importance of inclusive education	April	1 st & 2 nd	Lecture & Presentation
2	2	PS	Unit II Inclusive education and its evolution <ul style="list-style-type: none"> • Concept of special education • Integrated education Mainstreaming and inclusive education of non-inclusive	April	1 st & 2 nd	Lecture & Presentation
4	3	SR	Unit III Perspectives of inclusive education <ul style="list-style-type: none"> • Social, psychological, economical and educational contexts of inclusion Barriers to inclusive education – attitudinal, physical, instructional and institutional	April & May	3 rd , 4 th & 1 st , 2 nd	Lecture & Presentation
4	4	PS	Unit IV Special Educational Needs (SEN) of Learners in Inclusive School <ul style="list-style-type: none"> • Identification of 	April & May	3 rd , 4 th & 1 st , 2 nd	Lecture & Presentation

			diverse needs of learners and referrals <ul style="list-style-type: none"> Disabilities in children and their special needs: physically handicapped, learning disabled, mentally retarded, economically and socially weaker children (including girl child) 			
2			Remedial Classes	May	4th	Lecture & Presentation
2			Remedial Classes	May	4th	Lecture & Presentation

#After Completion of each unit Home Assignment will be given to Students.

ACADEMIC YEAR :2023-24	SEMESTER-4
COURSE-UG	COURSE NAME: ACTION RESEARCH AND CASE STUDY
SUBJECT CODE: BAHEDCSEC402	SUBJECT TYPE: Theory & Practical
PAPER CODE- SEC-2	WORK LOAD: 2Hours in a Week(SR-2)

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
2	1	SR	<p>Unit I Introduction to action research</p> <ul style="list-style-type: none"> • Meaning and objectives of action research • Advantages of action research <p>Areas of action research</p>	April	1 st & 2 nd	Lecture & Presentation
10	2	SR	<p>Unit II Practicum</p> <ul style="list-style-type: none"> • The students are required to conduct an action research individually from any one of the following topics <ol style="list-style-type: none"> 1) Any problem related to teaching learning process/ methodology of teaching 2) Any problem related to organizing co-curricular activities in school 3) Any problem related to administration and management of the school/ educational system. <p>OR any other suitable topic(s).</p>	April & May	3 rd ,4 th and 1 st ,2 nd ,3 rd	Practical

			<p><u>Format</u></p> <p>Writing the report of the practical work</p> <ul style="list-style-type: none"> - back ground of the problem - its identification - planning the research -theoretical basis of the problem – review of related literature <p>Procedure of the study</p> <p>Participants / sample of the study</p> <p>Gathering of data –</p> <p>Tools used in the study</p> <p>Analysis of the data – Descriptive analysis/ statistics</p> <p>Reporting of results, Interpretation of data, identifying the causes of the problem</p> <p>Actions to be taken</p> <p>Follow up</p> <p>Suggestion</p> <p>References</p>			

Students will be given a project after Completion of course.

UNIT WISE TEACHING PLAN ,SEMESTER VI

ACADEMIC YEAR :2023-24	SEMESTER-6
COURSE-UG	COURSE NAME: MEASUREMENT AND

	EVALUATION IN EDUCATION
SUBJECT CODE: BAHEDCSEC601	SUBJECT TYPE: Theory
PAPER CODE- :CC-13	WORK LOAD: SR-2, PS-1

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
4	1	SR	Unit I Measurement and Evaluation in Education <ul style="list-style-type: none"> • Measurement: Concept and Purpose • Evaluation: Concept, Types and its role in education Interrelationship between measurement and evaluation	April	1 st & 2 nd	Lecture & Presentation
8	2	SR	Unit II Tools of Measurement and Evaluation <ul style="list-style-type: none"> • Standardized vs. Non-Standardized tools (concepts and purpose) • Tests- Essay type and Objective type; Short answer type and Oral type. • Personality Test- Rorschach Ink Blot Test • Interest Test- Kuder Reference Record CRC (concepts and purpose).	April & May	3 rd , 4 th & 1 st , 2 nd	Lecture & Presentation
8	3	PS	Unit III Techniques of Measurement and Evaluation <ul style="list-style-type: none"> • Observation 	April & May	1 st , 2 nd , 3 rd , 4 th	Lecture & Presentation

			, Self-reporting (Interview, Questionnaire) <ul style="list-style-type: none"> • Assignment, Portfolios, Rubrics, Anecdotal • Records, Check List, rating Scale, • Concept Mapping and Project General principles of test construction and standardizati on 			
2			Remedial Classes	May	4th	Lecture & Presentation
2			Remedial Classes	May	4th	Lecture & Presentation

Students will be given home assignments after Completion of course.

ACADEMIC YEAR :2023-24	SEMESTER-6
COURSE-UG	COURSE NAME: FUNDAMENTALS OF EDUCATIONAL RESEARCH
SUBJECT CODE: BAHEDCSEC602	SUBJECT TYPE: Theory
PAPER CODE- :CC-14	WORK LOAD: SR-1, PS-2

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
3	1	SR	Unit I Research-meaning and nature: *Meaning and nature of Research *Sources of Knowledge (Authority, Tradition, Personal Experience, Deduction, Induction.) *Need of Research in Education	April	1 st , 2 nd & 3 rd	Lecture & Presentation
6	2	SP	Unit II Educational Research- meaning, nature and types *Meaning, nature & scope of Educational Research *Types of Research: Basic, Applied & Action Research; Longitudinal and Cross Sectional Research. *Importance of Educational Research.	April & May	1 st , 2 nd & 3 rd	Lecture & Presentation
4	3	SR	Unit IV Basic Ideas of Research- II <ul style="list-style-type: none"> • Research Hypothesis – meaning, nature and types Population and Sample - meaning	April and May	April 4 th and May 1 st , 2 nd and 3 rd	Lecture & Presentation

6	4	SP	Unit V Major Approaches of Research Meaning, nature and procedure of- *Historical Research *Descriptive Research *Experimental Research	April and May	4 th week of April and 1 st ,2 nd week of May	Lecture & Presentation
2			Remedial Classes	May	4th	Lecture & Presentation
2			Remedial Classes	May	4th	Lecture & Presentation

Students will be given a project after Completion of course.

ACADEMIC YEAR :2023-24	SEMESTER-6
COURSE-UG	COURSE NAME: EDUCATION OF CHILDREN WITH SPECIAL NEEDS
SUBJECT CODE: BAHEDCDSE601	SUBJECT TYPE: Theory
PAPER CODE- : DSE-3	WORK LOAD: SR-1, PS-2

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
4	1	SR	<p>Unit I Introduction to Special Education</p> <ul style="list-style-type: none"> • Meaning and scope of special education • Nature and provisions of Education of the Children with Special Needs <p>A brief history of special Education in India</p>	April	1 st , 2 nd & 3 rd and 4 th	Lecture & Presentation
8	2	PS	<p>Unit II Provisions of Special Education</p> <ul style="list-style-type: none"> • Strategies – Special education, Integrated Education, Inclusive Education: Comparison • Special Education and Universalization of elementary Education – Constitutional provisions and government policies. <p>Recommendations and suggestions in the Person with Disability Act 1995 and 2016</p>	April	1 st , 2 nd & 3 rd and 4 th	Lecture & Presentation
6	3	SR	<p>Unit III Children with special needs and their education</p> <ul style="list-style-type: none"> • Concept, Classification according to various criteria: 	May	1 st , 2 nd , 3 rd and 4 th	Lecture & Presentation

			<p>Intelligence, Sense organs, Locomotion, Speech and other aspects.</p> <ul style="list-style-type: none"> • Learning disability: Concept and Meaning, Types, Characteristics • Identification and Remedial Measures 			
6	4	PS	<p>Unit IV Exceptional Learners Salient characteristics of each category of exceptional Learners –</p> <ul style="list-style-type: none"> • Mentally retarded, • Visually impaired, • Hearing impaired, • Gifted and Creative children, • Cerebral Palsy and Juvenile delinquents. 	May	1 st , 2 nd , 3 rd	Lecture & Presentation
2			Remedial Classes	May	4 th	Lecture & Presentation
2			Remedial Classes	May	4 th	Lecture & Presentation

Students will be given a project after Completion of course.

ACADEMIC YEAR :2023-24	SEMESTER-6
COURSE-UG	COURSE NAME: EDUCATIONAL THOUGHTS AND IDEAS OF GREAT EDUCATORS
SUBJECT CODE: BAHEDCDSE602	SUBJECT TYPE: Theory
PAPER CODE- : DSE-4	WORK LOAD: SR-2, PS-1

NUMBERS OF LECTURES	UNIT CODE	NAME OF THE TEACHER	TOPICS TO TEACH	EXPECTED MONTH	EXPECTED WEEK	METHODS OF TEACHING/AIDS
4	1	SR	<p>Unit I Great Educators – Eastern: I</p> <p>*Abul Kalam Azad (1888-1958): Philosophy of life, activities, ideas on education.</p> <p>*Annie Besant (1847-1933): Educational philosophy, aims of education, activities and ideas on women education.</p>	April	1 st , 2 nd	Lecture & Presentation
4	2	SP	<p>Unit II Great Educators – Eastern: II</p> <p>*Sarvepalli Radhakrishnan (1888-1975): Educational philosophy, aims of education, method of instruction, curriculum of education and concept of teaching.</p> <p>*Sri Aurobindo (1872-1950): Educational Philosophy, aims of education, method of instruction, curriculum, concept of teacher.</p>	April	1 st , 2 nd , 3 rd , 4 th	Lecture & Presentation
2	3	SR	<p>Unit III Great Educators – Eastern: III</p> <p>Mahatma Gandhi (1869-1948): Educational philosophy, aims of Education, method of instruction, curriculum, Basic Education</p>	April	3 rd , 4 th	Lecture & Presentation

2	4	SP	Unit IV Great Educators – Western: John Dewey (1859-1952) - Educational philosophy, Aims of Education, Method of instruction and Curriculum.	May	1 st ,2 nd .3 rd ,4 th	
2	5	SR	Unit V Great Educators – Western: II Montessori - Educational philosophy, Aims of Education, Method of instruction, Curriculum.	May	1 st	Lecture & Presentation
2			Remedial Classes	May	4 th	Lecture & Presentation
2			Remedial Classes	May	4 th	Lecture & Presentation

Students will be given a project after Completion of course.

AQAR CRITERIA FORM

BANWARILAL BHALOTIA COLLEGE ASANSOL

TEACHING & LEARNING PLAN/ COURSE CURRICULUM for ACADEMIC

YEAR 2023-24 (BOTH ODD & EVEN SEMESTERS)

NAME of FACULTY/ COURSE INSTRUCTOR : Baijayanti Mukhopadhyay

DESIGNATION : ASSOCIATE PROFESSOR

DEPARTMENT : BENGALI (DAY SECTION)

ODD SEMESTERS

First Semester

Course – Madhyajuger kobita : Boishnab Padabali (Major Course-1)

Assigned classes – 3 classes per week

Expected Time Span	Topics Covered	Teaching Method	
1 st and 2 nd week of November 2023	5 th sem. Srikanta 3 rd sem. Alankar-Shabdalkar 1 st sem. Bangla Shahityer Etahas	Chalk & talk	
3 rd and 4 th week of Nov. 2023	5 th sem. Sanchayita 3 rd sem. Alankar –Arthalankar GE. -- -- kobita 1 st sem. Bangla Shahityer Etahas	Chalk & Talk	
1 st and 2 nd week of December 2023	5 th sem. Manik Bandyopadhyae Choto golpo (DSE) 3 rd sem. Chhanda SEC bangle Samas. GE. -- -- kobita 1 st sem. Bangla Shahityer Etahas		
1 st and 2 nd week of Dec. 2023	Internal exam		
3 rd and 4 th week of Dec. 2023	Classes for exam. Preparation		
3 rd and 4 th week of Dec. 2023	Exam		

Expected Time Span	Topics Covered	Teaching Method	
1 st and 2 nd week of May 2024	6 th sem. Golpoguchho (Core) 4 th sem. Achalayatan (Core) GE. -- Bangla Probondha -- Manusyafal 2 nd sem. Engraji Sahityer Itihas (MJC)	Chalk & talk	
3 rd and 4 th week of May 2024 1 st and 2 nd week of June 4	6 th sem. Kabya Jijnasa (Dhwani) 4 th sem. Bilyamangal (core) . GE.-- Bangla Probondha Amader Bhasa Sankat 2 nd sem. Sanskrit Shahityer Etihās (MJC) Ramayan and Mahabharat 6 th sem. Kabya Jignsa ; Roosa 4 th sem. Chokher Bali (core) . SEC. proof sansodhan. GE.-- Bangla Probondha -- Sat Prasanga. 2 nd sem. Sanskrit Shahityer Etihās – Kalidas and Joydeb	Chalk & Talk	
3 rd and 4 th week of June 2024	Internal exam		
1 st and 2 nd week of July 2024	Classes for exam. Preparation		
3 rd and 4 th week of July 2024	Exam		

AQAR CRITERIA FORM

BANWARILAL BHALOTIA COLLEGE ASANSOL

TEACHING & LEARNING PLAN/ COURSE CURRICULUM for ACADEMIC YEAR 2023-24 (BOTH ODD & EVEN SEMESTERS)

NAME of FACULTY/ COURSE INSTRUCTOR : DR. LAILA MITRA

DESIGNATION : ASSOCIATE PROFESSOR

DEPARTMENT : BENGALI (DAY SECTION)

ODD SEMESTERS

First Semester

Course – Madhyajuger kobita : Boishnab Padabali (MJC-1)

Assigned classes – 3 classes per week

Time	Topics covered	Teaching method
August 1 st to 4 th week	Text understanding, detailed analysis of reading comprehension	Classroom
September 1 st week to 4 th week	Short answer type and essay type question answer discussion	Classroom
October first week	Class test and review	Classroom
November 3 rd week to 4 th week	Comparative study with other contemporary poems	Classroom
December 1st week to 3rd week	Discussion on boishnab poets and Internal Examination	Classroom/ In-person test

Third Semester

Course – Madhyajug : Chandimongol kabyo (MJC-3)

Assigned classes – 4 classes per week

Time	Topics covered	Teaching method
August 1 st week to 4 th week	Narakhandā o Akhetik Khondo, Phullorā baromasya to Kalketur somipe bhnarudatter agomon text understanding	Classroom
September 1 st week to 4 th week	Kalketur ranosajya to Gujarat-e anondotsob	Classroom
October first week	Class test and review	Classroom
November 3 rd week to 4 th week	Bhnarudatter mastakmundan to Nilamborer swargarohon text understanding	Classroom
December 1 st week to 3 rd week	Short answer type and essay type question answer discussion	Classroom
December 4 th week	Internal examination	Offline in-person test

Fifth Semester

Course – Adhunik kobita (CC-11)

Assigned classes – 4 classes per week

Time	Topics covered	Teaching method
August 1 st to 4 th week	Bodh, Utpakhi, Babarer prarthana, Kolkatar Jishu, Tumi Sudhu Pochise Boisakh : Text comprehension & question answer discussion	Classroom
September 1 st to 4 th week	Manush, Kaste, Abani Bari Achho: Text comprehension & question answer discussion for short answer type questions	Classroom
October first week	Class test	Classroom
November 3 rd week to 4 th week	Discussion on poets and literary style	Classroom
December 1 st week to 2 nd week	Short answer type and essay type question answer discussion	Classroom
December 3 rd week to 4 th week	Internal examination	Offline in-person test

Fifth Semester

Course – Tarashankar Bandyopadhyay-er Chhotogolpo (DSE-03)

Assigned classes – 3 classes per week

Time	Topics covered	Teaching method
August 1 st to 4 th week	Jalsaghar, Bedeni, Agrodani : text comprehension	Classroom
September 1 st to 4 th week	Nari o nagini, Daini : text comprehension	Classroom
October first week	Class test and mid-course review, feedback sessions	Classroom
November 3 rd week to 4 th week	Discussion on Tarashankar Bandyopadhyay : Life and literary style analysis	Classroom
December 1 st week to 2 nd week	Short and long type question answer discussion	Classroom
December 4 th week	Internal examination	Offline in-person test

EVEN SEMESTERS

Second Semester

Course – Bhashatotto (MJC-2)

Assigned classes – 1 class per week

Time	Topics covered	Teaching method
January 4 th week	Origin of Bengali language	Classroom
February 1 st to 4 th week	Development of Bengali language	Classroom
March 2 nd to 4 th week	Features of various Bengali dialects and phonetics	Classroom
April 1 st to 4 th week	Systematic evolution of Bengali language and it's forms, short answer type question answer discussion	Classroom
May 1 st to 3 rd week	Discussion on essay type questions	Classroom
June 1 st to 3 rd week	Class test and review	Classroom
June 4 th week	Internal examination	Offline in-person test

Second Semester

Course – History of English Literature (MJC-2)

Assigned classes – 3 classes per week

Time	Topics covered	Teaching method
January 3 rd week to 4 th week	History of medieval period of English literature : Geoffrey Chaucer	Classroom
February 1 st to 4 th week	The age of Shakespeare	Classroom
March 2 nd to 4 th week	Discussion on Puritan age (John Milton) and contemporary literature & introduction of romantic age	Classroom
April 1 st to 4 th week	Romantic age discussion (Wordsworth, Shelly, Keats , Lord Byron, Charles Lamb)	Classroom
May 1 st to 3 rd week	Introduction of Victorian age and essay type question answer discussion	Classroom
June 1 st to 3 rd week	Class test and review, feedback sessions	Classroom
June 4 th week	Internal examination	Offline in-person test

Fourth Semester

Course – Bish Shotoker Natok : Saodagorer Nouko (CC-8)

Assigned classes – 2 classes per week

Time	Topics covered	Teaching method
January 3 rd week to 4 th week	Saodagorer nouko : text comprehension and explanation	Classroom
February 1 st to 4 th week	Saodagorer nouko : text comprehension and explanation	Classroom
May 1 st to 4 th week	Short answer type and essay type question discussion	Classroom
June 1 st to 3 rd week	Class test and review	Classroom
June 4 th week	Internal examination	Offline in-person test

Fourth Semester

Course – Unish Bish Shotoker Uponyas (CC-09)

Assigned classes – 2 classes per week

Time	Topics covered	Teaching method
March 2 nd to 4 th week	Kopalkundola : text comprehension and explanation	Classroom
April 1 st to 4 th week	Kopalkundola : text comprehension and explanation	Classroom
May 1 st to 4 th week	Short answer type and essay type question discussion	Classroom
June 1 st to 3 rd week	Class test and review	Classroom
June 4 th week	Internal examination	Offline in-person test

Sixth Semester

Course – Adhunik Chhotogolpo (CC-13)

Assigned classes – 2 classes per week

Time	Topics covered	Teaching method
January 3 rd week to 4 th week	Adab by Samaresh Basu : text comprehension and discussion	Classroom
February 1 st to 4 th week	Pnuimacha by Bibhutibhushan Bandyopadhyay & Ashwamedher ghora by Dipendranath Bandyopadhyay : text comprehension and explanation	Classroom
March 2 nd to 4 th week	Sanjh sokaler maa & fossil : text comprehension and discussion	Classroom
April 1 st to 4 th week	Top, ros & idur : text comprehension and explanation	Classroom
May 1 st to 3 rd week	Analysis of different authors and their literary styles	Classroom
June 1 st to 3 rd week	Class test and review	Classroom
June 4 th week	Internal examination	Offline in-person test

Sixth Semester

Course – Forms of literature (CC-14)

Assigned classes – 4 classes per week

Time	Topics covered	Teaching method
January 3 rd week to 4 th week	Discussion on classicism	Classroom
February 1 st to 4 th week	Discussion on romanticism	Classroom
March 2 nd to 4 th week	Introduction to surrealism & symbolism	Classroom
April 1 st to 4 th week	Detailed discussion on Tragedy	Classroom
May 1 st to 3 rd week	Detailed discussion on Comedy	Classroom
June 1 st to 3 rd week	Detailed discussion on Farce,	Classroom
June 4 th week	Internal examination	Offline in-person test

NAME of FACULTY/ COURSE INSTRUCTOR : DR. SOMA CHAKRABARTI

DESIGNATION : ASSOCIATE PROFESSOR

DEPARTMENT : BENGALI (DAY SECTION)

2023-2024

Expected Time Span	Topics Covered	Teaching Method	
1 st and 2 nd week of November 2023	5 th sem. Sanchayita 3 rd sem. Sarada Mangal. SEC bangle Sondhi. GE. -- -- kobita 1 st sem. Bangla Shahityer Etahas	Chalk & talk	
3 rd and 4 th week of Nov. 2023	5 th sem. Sanchayita 3 rd sem. Sarada Mangal. SEC bangle Sondhi. GE. -- -- kobita 1 st sem. Bangla Shahityer Etahas	Chalk & Talk	
1 st and 2 nd week of December 2023	5 th sem. Sahitya 3 rd sem. Sarada Mangal. SEC bangle Samas. GE. -- -- kobita 1 st sem. Bangla Shahityer Etahas		
1 st and 2 nd week of Dec. 2023	Internal exam		
3 rd and 4 th week of Dec. 2023	Classes for exam. Preparation		
3 rd and 4 th week of Dec. 2023	Exam		

Expected Time Span	Topics Covered	Teaching Method	
1 st and 2 nd week of May 2024	6 th sem. Chinnapatra 4 th sem. Chokher Bali (core) . SEC bangle Banan. GE. -- Bangla Probondha -- Koutuk Hasya 2 nd sem. Sanskrit Shahityer Etihis kalidas, Shudrak	Chalk & talk	
3 rd and 4 th week of May 2024	6 th sem. Chinnapatra 4 th sem. Chokher Bali (core) . SEC bangle Banan. GE.-- Bangla Probondha -- Sat Prasanga 2 nd sem. Sanskrit Shahityer Etihis Banavatta, Joydev.	Chalk & Talk	
1 st and 2 nd week of June 4	6 th sem. Chinnapatra ; Jakhan Choto Chilam. 4 th sem. Chokher Bali (core) . SEC. proof sansodhan. GE.-- Bangla Probondha -- Sat Prasanga. 2 nd sem. Sanskrit Shahityer Etihis – Kalidas and Joydeb		
3 rd and 4 th week of June 2024	Internal exam		
1 st and 2 nd week of July 2024	Classes for exam. Preparation		
3 rd and 4 th week of July 2024	Exam		

**TEACHING & LEARNING PLAN/ COURSE CURRICULUM for ACADEMIC
YEAR 2023-24 (BOTH ODD & EVEN SEMESTERS)**

NAME of FACULTY/ COURSE INSTRUCTOR : DR. BEAUTY KARMAKAR

DESIGNATION : ASSISTANT PROFESSOR

DEPARTMENT : BENGALI (DAY SECTION)

ODD SEMESTERS

First Semester

Course – Madhyajuger kobita : Shakta Padabali (MJC-2)

Assigned classes – 3 classes per week

Time	Topics covered	Teaching method
August 1 st to 4 th week	Text understanding, detailed analysis of reading comprehension	Classroom
September 1 st week to 4 th week	Short answer type and essay type question answer discussion	Classroom
October first week	Class test and review	Classroom
November 3 rd week to 4 th week	Comparative study with other contemporary poems	Classroom
December 1st week to 3rd week	Discussion on shakta poets and Internal Examination	Classroom/ In-person test

Course- Bangla Sahitya O Sangskritir Itihas (MNC)

Assigned classes-2 classes per week

Time	Topics covered	Teaching method
August 1 st to 4 th week	Text understanding & Detailed analysis of reading comprehension	Classroom
September 1 st week to 4 th week	Short answer type and essay type question answer discussion	Classroom
October first week	Class test and review	Classtest

November 3 rd week to 4 th week	Comparative study	Classroom
December	Discussion	Classroom
December 3 rd week	Internal examination	Offline in-person test

Third Semester
Course – Madhyajug : Chaitanyavagbot (CC-05)
&
Unish Shataker Kabya- Birangana (CC-7)
Assigned classes – 6 classes per week

Time	Topics covered	Teaching method
August 1 st week to 4 th week	Chaitanyavagbot & Birangana Text understanding & analysis	Classroom
September 1 st week to 4 th week	Text understanding & analysis & feedback from students	Classroom
October first week	Class test and review	Classroom
November 3 rd week to 4 th week	Text understanding	Classroom
December 1 st week to 3 rd week	Short answer type and essay type question answer discussion	Classroom
December 4 th week	Internal examination	Offline in-person test

Fifth Semester
Course – Adhunik Bangla Uponyas- Aranyak (CC-12)
&
Bangla Prabandha-Nibandha (Bangla Prabandha)DSE-5
Assigned classes – 6 classes per week

Time	Topics covered	Teaching method
August 1 st to 4 th week	CC-13 & DSE-5: Text comprehension & question answer discussion	Classroom
September 1 st to 4 th week	Text comprehension & question answer discussion for short answer type questions	Classroom
October 1 st week	Discussion on Bibhutibhushan Bandopadhyay and literary analysis & Class test	Classroom
November 3 rd week to 4 th week	Discussion & feedback	Classroom
December 1 st week to 2 nd week	Short answer type and essay type question answer discussion	Classroom
December 3 rd week to 4 th week	Internal examination	Offline in-person test

EVEN SEMESTERS

Second Semester
Course – Bangla Vashar Itihas (CC-04)
Assigned classes – 3 classes per week

Time	Topics covered	Teaching method
January 3 rd week to 4 th week	Origin of Bengali language & Development of Bengali language	Classroom
February 1 st to 4 th week	Text understanding & analysis	Classroom
March 2 nd to 4 th week	Features of various Bengali language and phonetics	Classroom
April 1 st to 4 th week	Systematic evolution of Bengali language and it's forms	Classroom
May 1 st to 3 rd week	Discussion on short answer type and essay type questions	Classroom
June 1 st to 3 rd week	Class test and review	Classroom
June 4 th week & July	Internal examination	Offline in-person test

Course – Vashar Itihas O Vashatotto (GE-2)

Assigned classes – 2 classes per week

Time	Topics covered	Teaching method
January 3 rd week to 4 th week	Discussion on phonology	Classroom
February 1 st to 4 th week	Discussion shabdavandar & shabdartha totto	Classroom
March 2 nd to 4 th week	Features of various Bengali language and phonetics	Classroom
April 1 st to 4 th week	Systematic evolution of Bengali language and it's forms	Classroom
May 1 st to 3 rd week	Discussion on short answer type and essay type questions	Classroom
June 1 st to 3 rd week	Class test and review	Classroom
June 4 th week & July	Internal examination	Offline in-person test

Fourth Semester

Course – Unish Shotoker Natok : Nildarpan (CC-07)

&

Bangla Baboharik Vharcha SEC-1

Assigned classes – 6 classes per week

Time	Topics covered	Teaching method
January 3 rd week to 4 th week	CC-7,SEC-1: Text comprehension and explanation	Classroom
February 1 st to 4 th week	CC-7,SEC-1: Text comprehension and explanation	Classroom
May 1 st to 4 th week	Short answer type and essay type question discussion	Classroom
June 1 st to 4 th week	Class test and review	Classroom
July	Internal examination	Offline in-person test

Sixth Semester
Course – Lokosangskriti O Lokosahitya (DSE-5)
Assigned classes – 6 classes per week

Time	Topics covered	Teaching method
January 3 rd week to 4 th week	Discussion on lokosangskriti	Classroom
February 1 st to 4 th week	Discussion on lokosahitya & lokogit	Classroom
March 2 nd to 4 th week	Introduction to lokonatok, lokogatha & lokokotha	Classroom
April 1 st to 4 th week	Detailed discussion on chora, dhand, prbad-probocon	Classroom
May 1 st to 3 rd week	Analysis & feedback	Classroom
June 1 st to 4 th week	Short & long questions discussion	Classroom
July	Internal examination	Offline in-person test

.....

BANWARILAL BHALOTIA COLLEGE, ASANSOL**Department of Business Administration****Teaching Plan for the Academic Year 2023-2024****Semester-I, III & V****Papers: Business Statistics (BBASE101), Financial Management (BBAHC301), Business Mathematics (BBAHGE301), Taxation (BBAHDSE304)****Name: Gunamoy Hazra (15 classes allotted per week)****SEMESTER: I****PAPER: Business Statistics (BBASE101)****Allotted Classes: 4 classes per week**

UnitCode/Test	Number Of Classes Needed	Expected Time span To Complete	TeachingAids/methods
UNIT-I: Introduction	8	2 nd week of August	StudyMaterials(SuppliedinAdvance),PDF presentation, Whiteboard, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	3 rd week of August	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-II: Measurement of Central Tendency	6	4 th week of August	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	1 st week Of September	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit – III: Concepts of Skewness and Kurtosis	4	2 nd week Of September	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	3 rd week Of September	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit – IV: Analysis of Bivariate	8	1 st week of October	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	2 nd week of October	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

PAPER:FINANCIAL MANAGEMENT (BBAHC301)

AllottedClasses:3 classes per week

UnitCode/Test	Number Of Classes Needed	Expected Time span To Complete	TeachingAids/methods
Unit-I:Introduction: Definition, Scope, Objectivesof financial Management;TimeValue ofMoney	4	2nd week Of September	Study Materials (Supplied in Advance),PDF presentation, WhiteBoard, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	3rd week Of September	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-II:Financial Statements andFinancial StatementAnalysis:Fund flow Statement, Cashflow Statement, Ratio Analysis	12	4th week Of September	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	2nd week of October	Questions willbe supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-III: Workingcapital management:	4	2nd week of November	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	1st week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-IV:Costofcapital: Conceptand Significance; CostsofvariousSourcesof Capital;Weightedaverage costofcapital.	6	3rd week of December	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	1st week of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-V:CapitalBudgeting	6	3rdWeek of January	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	3rdweek of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

PAPER: Business Mathematics (BBAHGE301)

Allotted Classes: 2 classes per week

UnitCode/Test	Number Of Classes Needed	Expected Time span To Complete	TeachingAids/methods
UNIT-I: LawsofIndices, A.P., G.P., with Business Application.	9	2nd week Of September	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluatio
UnitTest	1	4thweek Of September	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper)within one hour.
UNIT-II:Theoryof QuadraticEquations	6	1st week of October	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluatio
UnitTest	1	3rd week Of October	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-III:Logarithms, Compound interest, Annuity	9	2nd week of November	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluatio
UnitTest	1	1st week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-IV:Permutation, Combination	4	2nd week of December	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluatio
UnitTest	1	3rd week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-V:Determinants, Matrix	12	1st Week Of January	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluatio
Unit Test	1	2nd week Of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in thequestion paper) within one hour.

PAPER: TAXATION (BBAHDSE504)

Allotted Classes:5 classes per week

Unit Code/ Test	Number Of Classes Needed	Expected Time span to complete	Teaching Aids/ methods
Unit-I:BasicConcepts& Definitions	3	2nd week of August	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	3rd week of August	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-II: Scope of Total Income & Residential Status: Residential Status and Incidence of tax	6	4th week of August	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	2nd week of September	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-III:Computation of Income under the head salary and house property	16	1st week of October	Study Materials (Supplied in Advance), PDF presentation, White Board,
Unit Test	1	2nd week of October	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-IV: Computation of Income under the head profits and gains of Business or profession (Only individual assessee).	8	2nd week of November	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	4th week of November	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-V: Deduction from Gross Total Income & Tax Rebates:Sec 80CCC, 80D, 80DD, 80DDB, 80E, 80G, 80GG, 80GGA, U/s 87,88,88b,88C &89	8	2nd Week of December	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	3rd week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

BANWARILAL BHALOTIA COLLEGE, ASANSOL**Department of Business Administration****Teaching Plan for the Academic Year 2023-2024****Semester-I, III & V**

Papers: Business Economics (BBAMN101), Business Statistics (BBASE101), Marketing Management (BBAHC302), Retail Marketing (BBAHGE302), Computer Applications (BBAHSEC301), Sales and Distribution Management (BBAHDSE501), Supply Chain Management (BBAHDSE505).

Name: Buddha Prasad Ghatak (15 classes allotted per week)

SEMESTER: I**PAPER: Business Economics (BBAMN101)****Allotted Classes: 4 classes per week**

Unit Code/ Test	Number Of Classes Needed	Expected Time span To complete	Teaching Aids / methods
UNIT-I: Introduction and Basic Concepts	8	2nd week of August	PPT presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	3rd week Of August	Exam through Online mode + VIVA
Unit- II: Demand	8	2nd week of September	PPT presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	3rd week of September	Exam through Online mode + VIVA
Unit- III: Production and Cost	8	2nd week of October	PPT presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	2nd week of November	Exam through Online mode + VIVA
Unit- IV: Market	8	2nd week of December	PPT presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	3rd week of December	Exam through Online mode + VIVA
UNIT-V: Banking and Public Finance	6	1st week of January	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	2nd week of January	Exam through Online mode + VIVA

Semester - I

PAPER: E-Commerce (MDC1)

Allotted Classes: 1 class per week

Unit Code/Test	Number Of Classes Needed	Expected Time span to Complete	Teaching Aids/methods
UNIT-I:Introduction	8	Last week of September	PPT presentation, White Board Explanation/Elaboration/Examples/Exercise/ Evaluation
Unit Test	1	1st week of October	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit –II: E-CRM and SCM	6	2 nd week of November	PPT presentation, White Board Explanation/Elaboration/Examples/Exercise/ Evaluation
Unit Test	1	3rd week of November	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour
Unit-III:	6	2 nd week of January	PPT presentation, White Board Explanation/Elaboration/Examples/Exercise/ Evaluation
Unit Test	1	3rd week of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER: III**PAPER: Marketing Management (BBAHC302)****Allotted Classes: 4 classes per week**

UnitCode/Test	Number Of classes needed	Expected Time span To Complete	Teaching Aids / methods
Unit-I:Introductionto Marketing	6	2nd week of September	PPT presentation, White Board, Case Study,
Unit Test	1	3rd week of September	Exam through Online mode + VIVA
Unit-III: Marketing Mix, PLC, Branding	8	2nd week Of October	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	3rd week Of October	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-IV: Pricing and Distribution	10	4th week of November	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	1st week of December	Exam through Online mode + VIVA
Unit-V: Marketing Communication	8	3rd Week of December	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	1st week of January	Exam through Online mode + VIVA

SEMESTER: III**PAPER: Retail Marketing (BBAHGE302)****Allotted Classes: 2 classes per week**

Unit Code/Test	Number Of classes needed	Expected Time span to complete	Teaching Aids / methods
Unit-I:Introduction to Retailing	6	3rd week of September	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	4th week of September	Exam through Online mode + VIVA
Unit-III: Retail Segmentation	8	4th week of November	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	1st week of December	Exam through Online mode + VIVA

Unit-IV: Retail Location	8	1st week of January	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	Last week of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER:III

PAPER: Computer Applications (BBAHSEC301)

Allotted Classes: 1class per week

UnitCode/Test	Number of classes needed	Expected Time span to complete	Teaching Aids /methods
Unit-I:Introduction to INTERNET	4	3rd week of September	PDF and PPT presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	4th week of September	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-II: Practical Application	4	3rd week of October	PDF and PPT presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	2nd week of November	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-III: Information Systems	4	2nd week of December	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	3rd week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER: V

PAPER: Sales and Distribution Management (BBADSE501)

Allotted Classes: 3 classes per week

Unit Code/Test	Number of classes needed	Expected Time span to complete	Teaching Aids/methods
Unit-I:Introduction to Sales Management	6	2nd week of September	PDF and PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation

Unit Test	1	3rd week of September	Exam through Online mode +VIVA
Unit-II: Sales organization and territory	8	3rd week of October	PDF and PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	2nd week of November	Exam through Online mode + VIVA
Unit-IV:Salesforce Motivation and compensation.	8	3rd week of December	PDF and PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	1st week of January	Exam through Online mode + VIVA
Unit-V:Distribution channels	8	3rd Week of January	PDF and PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	4th week of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER: V

PAPER: Supply Chain Management (BBAHDSE505)

Allotted Classes:1 class per week

UnitCode/Test	Number of classes needed	Expected Time span to complete	Teaching Aids/methods
Unit-V:Supply Chain Coordination	12	3rd week of December	PDF and PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	1st week of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

Banwarilal Bhalotia College, Asansol

Department of Business Administration

Teaching Plan for the Academic Year 2023 -2024

Name: Dr. Souvik Dutta (Total 15 Classes are allotted per week)

Subjects: Principles of Management and Organisational Behaviour (BBAMJ101), Computer Fundamentals (BBAC303), Communicative English (BBASEC1), Business Law (BBAC502) & Industrial Relation (BBADSE502)

Semester-1

Paper Code: BBAMJ101

Paper Name: Principles of Management and Organisational Behaviour

Two classes are allotted per week

Unit Code /Test	Number of Class/ Classes Require	Expected Time Span	Teaching Aid/ Methods
Unit-4: Introduction to Organisational Behaviour	4	2 nd week Of August	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	3 rd week of August	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
4	One Remedial Class	Last week of August	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-1.
Unit-5: Personality, Perception, Motivation & Group Dynamics:	16	2 nd week of December	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	3 rd week of December	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
5	One Remedial Class	1 st week of January	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test - 2.

Banwarilal Bhalotia College,Asansol

Department of Business Administration

Teaching Plan for the Academic Year 2023-24

Semester-III

Paper Code: BBAC303

Paper Name: Computer Fundamentals

Four classes are allotted per week

Unit Code / Test	Number of Class/ Classes Required (approx)	Expected Time Span	Teaching Aid /Methods
1 Introduction to Computer	4	3 rd week of September	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	Last week of September	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
1	One Remedial Class	1 st week of October	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-1.
2 Computer System Architecture	4	3 rd week of October	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	2 nd week of November	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
2	One Remedial Class	3 rd week of November	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-2.
3 Introduction to Number System	3	Last week of November	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	1 st Week of December	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
3	One Remedial Class	1 st Week of December	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-3.
4 Introduction to Software	4	2 nd week of December	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	3 rd week of December	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
4	One Remedial Class	3 rd week of December	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-4.
5 Introduction to Operating System	6	2 nd week of January	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	3 rd week of January	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one
5	One Remedial Class	3 rd week of January	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-5.

Banwarilal Bhalotia College,Asansol

Department of Business Administration

Teaching Plan for the Academic Year 2023-2024

Semester-III

PaperCode:BBASEC1

PaperName: Communicative English

One class is allotted per week

Unit Code/Test	Number of Class/ Classes Required (approx)	Expected Time Span	Teaching Aid /Methods
1 Principles of Letter Writing	2	1 st week of September	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
2 Writing of Business Report	3	Last week of September	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
3 Guidelines for Writing Project Reports	3	3 rd week of October	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
4 Writing Effective Memos	3	Last week of November	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Test	1	2 nd week of December	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Remedial Class	1	3 rd week of December	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-1.

Department of Business Administration

Teaching Plan for the Academic Year 2023-2024

Semester-V

Paper Code: BBAC502

Paper Name: Business Law

Four classes are allotted per week

UnitCode/Test	Number of Class/ Classes Required (approx)	Expected Time Span	TeachingAid/Methods
1 Indian Contract Act, 1872	8	1 st week of September	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
UnitTest	1	2 nd week of September	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
1	One Remedial Class	2 nd week of September	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-1.
2 Sale of Goods Act, 1930	4	Last week of September	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	1 st week of October	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
2	One Remedial Class	1 st week of October	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-2.
3 Indian Partnership Act,1932	3	2 nd week of October	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	3 rd week of October	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
3	One Remedial Class	2 nd week of November	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-3.
4 Negotiable InstrumentAct, 1981	4	1 st week of December,	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	2 nd week of December	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
4	One Remedial Class	2 nd week of December	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-4
5 CompanyAct	8	1 st week of January	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	2 nd week of January	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
5	One Remedial Class	2 nd week of January	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-5.

Department of Business Administration

Teaching Plan for the Academic Year 2023-2024

Semester-V

Paper Code:BBADSE502

Paper Name: Industrial Relation

Four classes are allotted per week

UnitCode/Test	NumberofClass/ ClassesRequired (approx)	ExpectedTimeSpan	TeachingAid/Methods
1 Introduction to Industrial Relation	4	1 st week of September	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
UnitTest	1	2 nd week of September	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
1	One Remedial Class	2 nd week of September	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-1.
2 Industrial Dispute	3	3 rd week Of September	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	1 st week of October	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one
2	One Remedial Class	1 st week of October	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-2.
3 Trade Union	4	3 rd week of October	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	2 nd week of November	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one
3	One Remedial Class	2 nd Weekof November	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-3.
4 Workers' Partici- -pation in Management	4	1 st week of December	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
UnitTest	1	2 nd week of December	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
4	One Remedial Class	2 nd weekof December	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-4
5 The Industrial Dispute Act, 1947 & The IE (SO) Act, 1946	4	1 st week of January	Study Materials (Supplied in Advance), PDF presentation, Chalk, Board and 7E (Engagement/ Exploration/Explanation/Elaboration/Examples/Exercise/Evaluation)
Unit Test	1	2 nd week of January	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one
5	One Remedial Class	2 nd week of January	Brief discussion on the total unit as well as detailed discussion on the need-based specific portion of the unit. Discussion on the answers of unit test-5.

BANWARILAL BHALOTIA COLLEGE, ASANSOL
Department of Business Administration

Teaching Plan for the Academic Year 2023-2024
Semester- I, III & V

Papers: Principles of Management and Organisational Behaviour (BBAMJ101), Marketing Management (BBAC302), Retail Marketing (BBAGE302), International Business (BBAC501), Sales and Distribution Management (BBADSE501), Supply Chain Management (BBADSE505).

Name: PARTHA GHOSH (15 classes allotted per week)

SEMESTER: I

PAPER: Principles of Management and Organisational Behaviour (BBAMJ101)

Allotted Classes: 3 classes per week

Unit Code/ Test	Number of classes needed	Expected Time span T Complete	Teaching Aids / methods
UNIT-I: Nature, Scope And Process of Management	14	2nd week of September	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva evaluation
Unit Test	1	3rd week Of September	Questions will be supplied ten minutes before the scheduled class via WhatsApp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one
UNIT-II: Planing & Organising	8	2nd week of October	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva=evaluation
Unit Test	1	3rd week of October	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-III: Leadership, Coordination and Control	14	2nd week of December	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	3rd week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

Semester - I

PAPER: E-Commerce (MDC1)

Allotted Classes: 1 class per week

Unit Code/Test	Number of Classes Needed	Expected Time span to Complete	Teaching Aids/methods
UNIT-IV: ERP	7	Last week of September	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	1st week of October	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit –V: New Trends in E-Commerce	6	1st week of December	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	2nd week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER:III

PAPER: Marketing Management (BBAHC302)

Allotted Classes: 1 class per week

Unit Code/ Test	Number Of classes needed	Expected Time span to complete	Teaching Aids/methods
Unit-II:Marketing Strategies, STP, ConsumerBehaviour, MarketingResearch and MKIS	10	Last week of November	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
UnitTest	1	1st week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER:III

PAPER: Retail Marketing (BBAGE302)

Allotted Classes: 2 classes per week

Unit Code/Test	Number Of classes needed	Expected Time span to complete	Teaching Aids/methods
Unit-II: Retail Consumer	12	2nd week of October	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	3rd week of October	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-V:Emerging Trends in Retailing	10	3rd week of December	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	1st week of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER: V
PAPER: International Business (BBAC501)
Allotted Classes: 4 classes per week

Unit Code/Test	Number of Classes Needed	Expected Time span To complete	Teaching Aids/methods
UNIT-I:International Business: Introduction Scope, Theories	10	3rd week of September	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	Last week of September	Questions will be supplied ten minutes before the Scheduled class via whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNITII: International Trade, BOP, BOT	10	2nd week of November	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	Last week of November	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-III:IMF, WTO, World Bank, Breton Woods	8	2nd week of December	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	3rd week of December	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-IV:ForeignMarket Entry	4	1st week of January	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
UnitTest	1	2nd week of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-V:EU;NAFTA; BRICS	4	3rd week of January	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
UnitTest	1	4th week of January	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER: V
PAPER: Sales and Distribution Management (BBADSE501)
Allotted Classes: 1 class per week

UnitCode/Test	Number of classes Needed	Expected time span to complete	Teaching Aids/methods
Unit-III:Sales Forecasting, Recruitment, Selection, Training	14	2 nd week of December	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	4 th week of December	Questions will be supplied ten minutes before the scheduled Class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

SEMESTER: V

PAPER: Supply Chain Management (BBAHDSE505)

Allotted Classes: 3 classes per week

Unit Code/Test	Number Of classes needed	Expected time span to complete	Teaching Aids/methods
Unit-I:SCM-Meaning, Definition, Objectives, and Scope	9	3 rd week of September	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	4 th week of September	Questions will be supplied ten minutes before the scheduled Class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT -II:SCMNetwork, Design, Applications to e-business.	8	2 nd week of December	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
UnitTest	1	2 nd week of December	Questions will be supplied ten minutes before the scheduled Class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-III:Planning, demandforecasting, economiesof scale, managing inventories.	9	1 st week of January	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
UnitTest	1	2 nd week of January	Questions will be supplied ten minutes before the scheduled Class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-IV:Transportation and Roleof ITin transportations.	6	4 th week of January	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
UnitTest	1	4 th week of January	Questions will be supplied ten minutes before the scheduled Class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

BANWARILALBHALOTIACOLLEGE,ASANSOL**Department of Business Administration****Teaching Plan for the Academic Year 2023-2024****Semester-II, IV&VI**

Papers: Financial Accounting for Managers (BBAMJ201), Operation Research (BBAGE401), Financial Market (BBAGE402), Cost and Management Accounting (BBADSE602)

Name: Gunamoy Hazra (15 classes allotted per week)

SEMESTER:II

PAPER: Financial Accounting for Managers (BBAMJ201)

Allotted Classes: 5 classes per week

Unit Code/Test	Number of classes needed	Expected Time span to complete	Teaching Aids/methods
UNIT-I : Accounting:	9	3rd week of April	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	2	3rd week of April	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper)within one hour.
UNIT-II:Depreciation	6	2nd week Of May	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	2	2nd week of May	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper)within one hour.
UNIT-III:Final Accounts	8	4th week of May	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	2	4th week of May	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper)within one hour.
Unit IV: Partnership Accounting	8	3rd week of June	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	4	3rd week of June	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper)within one hour..
Unit V: Company Accounts	4	1st week of July	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	2	2nd week of July	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper)within one hour..

PAPER: Operation Research (BBAGE401)

AllottedClasses:2 classes per week

Unit Code/Test	Number of classes needed	Expected Time span to complete	Teaching Aids/methods
UNIT – II Linear Programming	12	4 th week of May	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	2	4 th week of May	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-III: Transportation Problem:	9	2 nd week of July	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	3	2 nd week of July	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

PAPER: Financial Market (BBAGE402)

AllottedClasses:3 classes per week

UnitCode/Test	Number of classes needed	Expected timespan to complete	TeachingAids/methods
UNIT-I: Financial System	8	3rd week of April	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	3rd week of April	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-II: Indian Money Market	6	2nd week of May	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	2	2nd week of May	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-III: Indian Capital Market	9	4th week Of June	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	3	4th week Of June	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-IV:SEBI	8	2nd week of July	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	2nd week of July	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
UNIT-V Mutual Fund	6	4th week Of July	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	4th week Of July	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

**PAPER: Cost and Management
Accounting (BBADSE602)
Allotted Classes: 5 classes per week**

UnitCode/Test	Number of classes needed	Expected timespan to complete	TeachingAids/methods
Unit-I:BasicConcepts& Definitions	3	2nd week of March	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	2nd week of March	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit–II: Material Control	12	1st week of April	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	2	2nd week of April	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-III: Job Costing	12	1st week of May	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	2	1st week of May	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-IV:Budget	8	3rd week Of May	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	2	3rd week Of May	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour..
Unit –V : Marginal Costing	6	4th week Of May	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	4th week Of May	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

**BANWARILAL BHALOTIA COLLEGE,
ASANSOL**

**Department of Business Administration
Teaching Plan for the Academic Year 2023-2024
Semester -II, IV & VI**

**Papers: Marketing Management (BBAMN201), Business Environment (MDC – 2)
Business Environment (BBAC403) Operation Research (BBAGE401, Paper: Quantitative Aptitudes
(BBASE401), Marketing of Services (BBADSE603**

Name: Buddha Prasad Ghatak (15classes allotted per week)

Semester- 2ND

PAPER: Marketing Management (BBAMN201) Allotted Classes:4 classes per week

UnitCode/Test	Number of classes needed	Expected Time span to complete	Teaching Aids/methods
Unit-I:Introductionto Marketing	6	2nd week of April	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	1	2nd week of April	Exam through Online mode+ VIVA
Unit-III:Marketing Mix, PLC, Branding	8	1stweek of May	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	2	1stweek of May	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-IV:Pricing and Distribution	10	4th week of May	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	3	1stweek of June	Exam through Online mode+ VIVA
Unit-V: Marketing Communication	8	2nd week of July	PPT presentation, White Board, Case Study, Explanation/Elaboration/Examples/Exercise/Evaluation
UnitTest	2	2nd week of July	Exam through Online mode+ VIVA

2ND Semester: Paper : Business Environment (MDC-2)

Allotted Classes – 1 per week

Unit Code / Test	Number Of classes Required	Expected Time span to complete	Teaching Aids/methods
Unit-I: Introductory Issues: concept, nature and importance of business and business environment	5	1st week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	2nd week of May	Exam through Online mode or blended mode.
Unit-II: Socio-cultural Environment of Business:	6	1st week of July	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	2nd week of July	Exam through Online mode or blended mode.

4th Semester: Paper : Business Environment (BBAC403)**Allotted Classes – 3 per week**

Unit Code / Test	Number Of classes Required	Expected Time span to complete	Teaching Aids/methods
Unit-I: Introductory Issues: concept, nature and importance of business and business environment	7	1st week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	1st week of April	Exam through Online mode or blended mode.
Unit-II: Socio-cultural Environment of Business:	6	4 th week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	4 th week of April	Exam through Online mode or blended mode.
Unit-III: Economic Environment of Business:	7	2 nd week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	2 nd week of May	Exam through Online mode or blended mode.
Unit-IV : International Environment of Business	7	1st week of June	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-IV	1	1st week of June	Exam through Online mode or blended mode.
Unit-V: India, WTO and Trading Blocks:	7	4 th week of June	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-V	1	1st week of July	Exam through Online mode or blended mode.

PAPER: Operation Research (BBAGE401)

Allotted Classes: 2 classes per week

Unit Code/Test	Number of classes needed	Expected Time span to complete	Teaching Aids/methods
UNIT – I Introduction to OR	8	1 st week of April	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	2	2nd week of April	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-IV: Assignment Problem:	9	1 st week of June	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	2	2nd week of June	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.
Unit-V: Decision Theory:	4	4 th week of June	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit Test	1	4th week of June	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

4th Semester: Paper: Quantitative Aptitudes (BBASE401)
Allotted Classes – 1 per week

UnitCode/Test	Number Of classes Required	Expected Time span to complete	Teaching Aids/methods
Unit-I(Mathematical Skill): LCM and HCF; Percentage etc	2	2 nd week of March	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/ Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	3 rd week of March	Exam through Online mode or blended mode.
Unit-II (Intelligence and Reasoning Test)	2	2 nd week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	3 rd week of April	Exam through Online mode or blended mode.
Unit-III (Logical Reasoning)	2	2 nd week of May	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/ Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	3 rd week of May	Exam through Online mode or blended mode.
Unit-IV (Data Analysis and Sufficiency)	2	2 nd week of June	Study Materials (Supplied in Advance),PDF presentation, White Board, Explanation/ Elaboration/Examples/Exercise/Evaluation
Unit test-IV	1	3 rd week of June	Exam through Online mode or blended mode.

6th Semester: Paper: Marketing of Services (BBADSE603)**Allotted Classes – 3 per week**

Unit Code/Test	Number Of classes Required	Expected Time span to complete d	Teaching Aids/methods
UNIT-I: Introducing Service Marketing:	8	1 st week of March	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	1 st week of March	Exam through Online mode or blended mode.
UNIT-II: Segmentation, Targeting and Positioning;	8	4 th week of March	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	4 th week of March	Exam through Online mode or blended mode.
UNIT-III: Place, Promotion and Pricing issues in Services Marketing	8	3 rd week of April	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	3 rd week of April	Exam through Online mode or blended mode.
UNIT-IV: People	6	1 st week of May	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/
Unit test-IV	1	1 st week of May	Exam through Online mode or blended mode.
UNIT-V: Physical Evidence, Services Capes Designed for Employees and for Customers.	8	4 th week of May	Study Materials (Supplied in Advance), PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-V	1	4 th week of May	Exam through Online mode or blended mode.

Banwarilal Bhalotia College,Asansol
Department of Business Administration
Teaching Plan for the
Academic Year 2023-2024

**Papers – Business Environment (MDC-2), Human Resource Management (BBAC401),
Basics of Business Research (BBASE402), Human Resource Development (BBADSE604)**

Name: Dr. Souvik Dutta (15 classes allotted per week)

2ND Semester: Paper : Business Environment (MDC-2)

Allotted Classes – 2 per week

Unit Code / Test	Number Of classes Required	Expected Time span to complete	Teaching Aids/methods
Unit-III: Economic Environment of Business:	7	4 th week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	4 th week of April	Exam through Online mode or blended mode.
Unit-IV :International Environment of Business	7	4 th week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-IV	1	4 th week of May	Exam through Online mode or blended mode.
Unit-V:India, WTO and Trading Blocks:	8	4 th week of June	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-V	1	1 st week of July	Exam through Online mode or blended mode.

4thSemester: Paper: Human Resource Management (BBAC401)**Allotted Classes – 5 per week**

Unit Code/Test	Number of classes Required	Expected Time span to complete	Teaching Aids/methods
Unit-I: Human Resource Management-Concept	7	2nd week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	2nd week of April	Exam through Online mode or blended mode.
Unit-II: Human Resource Planning	8	4th week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	4th week of April	Exam through Online mode or blended mode.
Unit-III: Training and Development	8	2nd week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	2nd week of May	Exam through Online mode or blended mode.
Unit-IV: Performance Appraisal	8	4th week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-IV	2	1st week of June	Exam through Online mode or blended mode.
Unit-V: Compensation Management	9	3rd week of June	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-V	1	4th week of June	Exam through Online mode or blended mode.

4thSemester: Paper: Basics of Business Research (BBASE402)

Allotted Classes – 2 per week

UnitCode/Test	Number of classes Required	Expected Time span to complete	Teaching Aids/methods
Unit– I: Research: Meaning, definition, objectives, types of Research.	3	2nd week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	2nd week of April	Exam through Online mode or blended mode.
Unit– II: Steps of Research	4	4th week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	1st week of May	Exam through Online mode or blended mode.
Unit-III: Qualitative Research	3	3rd week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	4th week of May	Exam through Online mode or blended mode.
Unit–IV: Qualitative Text Analysis and Reporting Analysis	6	3rd week of June	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-IV	1	4th week of June	Exam through Online mode or blended mode.

6thSemester: Paper: Human Resource Development (BBADSE604)**Allotted Classes – 5 per week**

Unit Code/Test	Number Of classes Required	Expected Time span to complete	Teaching Aids/methods
UNIT-I: Concept, Scope and Significance of Human Resource Development	7	2 nd week of March	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	2 nd week of March	Exam through Online mode or blended mode.
UNIT-II: Management of Change and Developments	7	4 th week of March	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	4 th week of March	Exam through Online mode or blended mode.
UNIT-III: Organizational strategies, styles, culture: Concept of strategy	7	2 nd week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	2 nd week of April	Exam through Online mode or blended mode.
UNIT-IV: Performance Management	7	4 th week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-IV	1	4 th week of April	Exam through Online mode or blended mode.
UNIT-V: Training, importance and needs for training	9	3 rd week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-V	2	4 th week of May	Exam through Online mode or blended mode.

BANWARILAL BHALOTIA COLLEGE, ASANSOL
Department of Business Administration

Teaching Plan for the Academic Year 2023-2024

**Papers: Marketing Management (BBAMN201), Entrepreneurship Development (BBASE201),
Production & Materials Management (BBAC402), Entrepreneurship Development
(BBADSE601)**

Name: PARTHA GHOSH (15classes allotted per week)

PAPER: Marketing Management (BBAMN201)
Allotted Classes: 1 class per week

Unit Code/ Test	Number Of classes needed	Expected Time span to complete	Teaching Aids/methods
Unit-II: Marketing Strategies, STP, Consumer Behaviour , Marketing Research and MKIS	10	3rd week of June	Study Materials Distribution, Doubt Clearing, Case Study, Explanation/Viva-evaluation
Unit Test	1	4th week of June	Questions will be supplied ten minutes before the Scheduled class via Whatsapp group and the students have to submit the answer scripts via mail (will be specified in the question paper) within one hour.

2nd Semester: Paper: Entrepreneurship Development (BBASE201)**Allotted Classes – 3 per week**

Unit Code/Test	Number Of classes Required	Expected Time span to complete	Teaching Aids/methods
UNIT-I:Introduction: Concepts of entrepreneur	7	3rd week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	3rd week of April	Exam through Online mode or blended mode.
UNIT-II: Role of the Government in Entrepreneurship Development	7	1st week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	1st week of May	Exam through Online mode or blended mode.
UNIT-III: Venture promotion and Project Formulation	7	3rd week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	4th week of May	Exam through Online mode or blended mode.
UNIT-IV: Financing of Enterprise:	4	1st week of June	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-IV	1	1st week of June	Exam through Online mode or blended mode.
UNIT-V: Small Scale Industries (SSIs) &Institutional Support to Small Enterprises	7	4th week of June	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-V	1	4th week of June	Exam through Online mode or blended mode.

4thSemester: Paper: Production & Materials Management(BBAC402)**Allotted Classes – 5 per week**

Unit Code/Test	Number Of classes Required	Expected Time span to complete	Teaching Aids/methods
Unit-I: Introduction to Production Management	8	2nd week of March	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	2nd week of March	Exam through Online mode or blended mode.
Unit-II: Plant Location	8	4th week of March	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	4th week of March	Exam through Online mode or blended mode.
Unit-III: Production Planning and Control(PPC):	8	2nd week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	2nd week of April	Exam through Online mode or blended mode.
Unit-IV: Work Study, Method study, Work Measurement	8	4th week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-IV	1	4th week of April	Exam through Online mode or blended mode.
Unit-V: Materials Management– Introduction,	9	3rd week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-V	2	4th week of May	Exam through Online mode or blended mode.

6thSemester: Paper: Entrepreneurship Development (BBADSE601)**Allotted Classes – 5 per week**

Unit Code/Test	Number Of classes Required	Expected Time span to complete	Teaching Aids/methods
UNIT-I:Introduction: Concepts of entrepreneur	7	2nd week of March	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-I	1	2nd week of March	Exam through Online mode or blended mode.
UNIT-II: Role of the Government in Entrepreneurship Development	7	4th week of March	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-II	1	4th week of March	Exam through Online mode or blended mode.
UNIT-III: Venture promotion and Project Formulation	7	2nd week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-III	1	2nd week of April	Exam through Online mode or blended mode.
UNIT-IV: Financing of Enterprise:	7	4th week of April	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-IV	1	4th week of April	Exam through Online mode or blended mode.
UNIT-V: Small Scale Industries (SSIs) &Institutional Support to Small Enterprises	7	3rd week of May	Study Materials, PDF presentation, White Board, Explanation/Elaboration/Examples/Exercise/Evaluation
Unit test-V	1	4th week of May	Exam through Online mode or blended mode.

CURRICULUM TEACHING PLAN (ACADEMIC YEAR: (2023-2024))
DEPARTMENT OF MICROBIOLOGY
SEMESTER: FIVE (5)

Name of Teacher	Paper	Unit Code	Topic of Discussion	Expected Month & Week (topic started)	Expected Month & Week (topic completed)	Plan of Teaching Aid
SUDESHNA MITRA	C 11	4	Major Histocompatibility Complex & Complement system	Aug, 23 2nd week	Aug, 23 3rd week	Offline (chalk and board), Docx, PDF notes
	C 12	4	Food borne diseases	Oct, 23 2nd week	Oct, 23 3rd week	Offline (chalk and board), Docx, PDF notes
	DSE 1	5	Concept of sample size & testing of hypothesis	Sep, 23 3rd week	Oct, 23 1st week	Offline (chalk and board), Docx, PDF notes
	DSE 2	2	Mendelian genetics	Aug, 23 4th week	Sep, 23 2nd week	Offline (chalk and board), Docx, PDF notes
SANGHAMITA DASGUPTA	C 11	1	Importance of normal microfloras & Immunological Techniques	Aug,23 2nd week	Sep,23 3rd week	Offline (chalk and board), PDF notes
	C 12	2	Food and Dairy Microbiology	Sep,23 3rd week	Oct,23 3rd week	Offline (chalk and board), PDF notes
	DSE 1	3	Biostatistics	Oct,23 3rd week	Nov,23 3rd week	Offline (chalk and board), PDF notes
	DSE 2	4	Structural Organization of Chromosomes	Nov,23 3rd week	Dec,23 1st week	Offline

						(chalk and board), PDF notes	
DR.MAHUA SINHA CHAKRABORTY	C 11	3	Introduction to immunology	August, 23 3rd week	September, 23 1st week	Offline (chalk and board), PDF notes	
		4	Generation of Immune Response	Sep,23 1st week	Sept,23 3rd week	Offline (chalk and board), PDF notes	
		5	Hypersensitivity reactions	Sept,23 3rd week	Oct,23 1st week	Offline (chalk and board), PDF notes	
	C 12	5	Food sanitation and control	Oct,23 1st week	Oct,23 3rd week	Offline (chalk and board), PDF notes	
	DSE 1	1	Biophysics	Sep,23 3rd week	Oct,23 2nd week	Offline (chalk and board), PDF notes	
		2	Statistical methods	Nov,23 1st week	Nov,23 4th week	Offline (chalk and board), PDF notes	
	DSE 2	3	Factor hypothesis and extranuclear inheritance	Dec, 23 1st week	Dec, 23 3rd week	Offline (chalk and board), PDF notes	
	MONAMI MONDAL	C 11	1	Host pathogen interaction. study of different microbial diseases	Aug, 23 2nd week	Sept, 23 4th week	Offline (chalk and board), Word file, PDF notes
			2	Study of different animal diseases.	Sept, 23 4th week	Oct, 23 2nd week	Offline (chalk and board), Word file, PDF notes

	C 12	3	Dairy starter culture, fermented dairy products, fermented non-dairy products & probiotics.	Sept, 23 2nd week	Oct, 23 2nd week	Offline (chalk and board), Word file, PDF notes
	DSE 1	4	Probability, normal distribution, Correlation & Regression	Nov, 23 1st week	Dec, 23 1st week	Offline (chalk and board), Word file, PDF notes
	DSE 2	2	Linkage & Crossing over	Nov, 23 2nd week	Nov, 23 4th week	Offline (chalk and board), Word file, PDF notes
		5	Homologous & Non-homologous recombination	Nov, 23 4th week	Dec, 23 3rd week	Offline (chalk and board), Word file, PDF notes

CURRICULUM TEACHING PLAN (ACADEMIC YEAR: (2023-2024))
DEPARTMENT OF MICROBIOLOGY
SEMESTER: THREE (3)

Name of Teacher	Paper	Unit Code	Topic of Discussion	Expected Month & Week (topic started)	Expected Month & Week (topic completed)	Plan of Teaching Aid
SUDESHNA MITRA	C 5	2	Bacteriophage: Type, Replication, Isolation, purification and cultivation	Nov,23 2nd week	Nov,23 4th week	Offline (chalk and board), Docx, PDF notes
		5	Antiviral compounds and their mode of action, Viral vaccines, Viral outbreaks- SARS	Nov,23 4th week	Dec,23 1st week	Offline (chalk and board), Docx, PDF notes
	C 6	5	Anaerobic Respiration & Nitrogen Metabolism	Sep,23 1st week	Sep,23 3rd week	Offline (chalk and board), Docx, PDF notes

	C 7	4	Transcription, Translation, Protein sorting and Transport	Sep, 23 4th week	Oct, 23 3rd week	Offline (chalk and board), Docx, PDF notes
		5	Post transcriptional modification in Eukaryotes, Split genes	Sep, 23 4th week	Oct, 23 3rd week	Offline (chalk and board), Docx, PDF notes
	SEC 1	3	Molecular methods to determine microbes in samples	Dec,23 2nd week	Dec,23 3rd week	Offline (chalk and board), Docx, PDF notes
SANGHAMITA DAGUPTA	C 5	1	Discovery of viruses, nature and definition of viruses, general properties	Aug,23 4th week	Oct,23 2nd week	Offline (chalk and board), PDF notes
		4	Introduction to oncogenic viruses	Oct,23 3rd week	Nov,23 1st week	Offline (chalk and board), PDF notes
	C 6	1	Microbial growth	Aug,23 4th week	Sep,23 3rd week	Offline (chalk and board), PDF notes
		2	Microbial growth in response to nutrition and energy	Sep,23 3rd week	Nov,23 1st week	Offline (chalk and board), PDF notes
	C 7	1	Concepts of cell (except nucleus)	Nov,23 1st week	Nov,23 3rd week	Offline (chalk and board), PDF notes
		5	Operon	Nov,23 2nd week	Dec,23 3rd week	Offline (chalk and board), PDF notes

	SEC 1	5	HACCP	Oct,23 3rd week	Nov,23 2nd week	Offline (chalk board), and PDF notes
DR.MAHUA SINHA CHAKRABORTY	C-5	3	Salient features of viral, Nucleic acid	Aug,23 4th week	Sep,23 4th week	Offline (chalk board), and PDF notes
	C-6	3	Fermentation and beta- oxidation	Oct,23 1st week	Nov,23 1st week	Offline (chalk board), and PDF notes
		4	Chemolithotrophic and phototrophic metabolism	Nov,23 1st week	Nov,23 4th week	Offline (chalk board), and PDF notes
	C-7	1	Nucleus	Nov,23 1st week	Nov,23 2nd week	Offline (chalk board), and PDF notes
		3	Basic idea and function of signaling molecules and their receptors	Nov,23 4th week	Dec, 23 1st week	Offline (chalk board), and PDF notes
		4	Protein Sorting and Transport	Dec,23 1st week	Dec, 23 2nd week	Offline (chalk board), and PDF notes
		5	Epigenetics	Dec, 23 2nd week	Dec, 23 3rd week	Offline (chalk board), and PDF notes
	SEC 1	2	Determining Microbes in Food / Pharmaceutical Samples	Dec, 23 1st week	Dec, 23 2ndweek	Offline (chalk board), and PDF notes
		3	Molecular methods to determine microbes in samples	Dec, 23 2nd week	Dec, 23 3rd week	Offline (chalk board), and PDF notes

MONAMI MONDAL	C 5	3	Viral multiplication and replication strategies	Nov, 23 1st week	Nov, 23 4th week	Offline (chalk and board), Word file, PDF notes
	C 6	3	Concept of aerobic metabolism, anaerobic metabolism	Nov, 23 3rd week	Dec, 23 3rd week	Offline (chalk and board), Word file, PDF notes
	C 7	2	Modes & Models of DNA Replication	Sept, 23 1st week	Sept, 23 3rd week	Offline (chalk and board), Word file, PDF notes
		3	Eukaryotic cell cycle and its regulation	Sept, 23 4th week	Oct, 23 3rd week	Offline (chalk and board), Word file, PDF notes
		5	RNA interference	Oct, 23 4th week	Nov, 23 2nd week	Offline (chalk and board), Word file, PDF notes
	SEC 1	1	Microbiological Laboratory and Safe Practices	Nov, 23 3rd week	Dec, 23 1st week	Offline (chalk and board), Word file, PDF notes

CURRICULUM TEACHING PLAN (ACADEMIC YEAR: (2023-2024)
DEPARTMENT OF MICROBIOLOGY
SEMESTER: ONE (1)

Name of Teacher	Paper	Unit Code	Topic of Discussion	Expected Month & Week (topic started)	Expected Month & Week (topic complete)	Plan of Teaching Aid
SUDESHNA MITRA	MJC-1	2	Bacteriology	Aug, 23 2nd week	Oct, 23 2nd week	Offline (chalk and board), PDF notes
SANGHAMITA DASGUPTA	MJC-1	3	Nutritional requirements in	Aug, 23 2nd week	Oct, 23 2nd week	Offline

			bacteria and nutritional categories			(chalk and board), PDF notes
		4	Aim and principles of classification, systematics and taxonomy	Nov,23 1st week	Nov,23 4th week	Offline (chalk and board), PDF notes
DR. MAHUA SINHA CHAKRABORTY	MJC-1	3	From Physical method of microbial control	August,23 2nd week	Oct, 23 1st week	Offline (chalk and board), PDF notes
MONAMI MONDAL	MJC 1	1	History of Microbiology and introduction to the microbial world	Aug, 23 2nd week	Sept, 23 2nd week	Offline (chalk and board), Word file, PDF notes
		4	General characteristics, phylogenetic overview of archaeobacteria	Sept, 23 3rd week	Nov, 23 1st week	Offline (chalk and board), Word file, PDF notes

CURRICULUM TEACHING PLAN (ACADEMIC YEAR: (2023-2024)
DEPARTMENT OF MICROBIOLOGY
SEMESTER: SIX (6)

Name of Teacher	Paper	Unit Code	Topic of Discussion	Expected Month & Week (topic started)	Expected Month & Week (topic completed)	Plan of Teaching Aid
SUDESHNA MITRA	C 13	1	Evolution of microbial genome	Mar,24 2nd week	Mar,24 3rd week	Offline (chalk and board), Docx, PDF notes
		5	CRISPR - cas	Mar,24 1st week	Mar,24 1st week	Offline (chalk and board), Docx, PDF notes
	C 14	2	Cloning	Feb,24 3rd week	Feb,24 4th week	Offline

						(chalk and board), Docx, PDF notes
	DSE 3		Project work on Microbiology of social importance	Apr,24 1st week	June,24 3rd week	Lab work and Demonstration through chalk & board
	DSE 4	4	Diversity of genomes	Mar,24 3rd week	Mar,24 4th week	Offline (chalk and board), Docx, PDF notes
SANGHAMITA DASGUPTA	C 13	2	Metagenomics	Feb,24 4th week	Mar,24 3rd week	Offline (chalk and board), PDF notes
	C 14	3	Cloning vectors	Feb,24 4th week	Mar,24 4th week	Offline (chalk and board), PDF notes
	DSE 3		Project work on Microbiology of social importance	Mar,24 1st week	May,24 3rd week	Lab work
	DSE 4	2	Relational databases	March,24 1st week	April,24 2nd week	Offline (chalk and board), PDF notes, on computer
DR. MAHUA SINHA CHAKRABORTY	C 13	4	Systems and Synthetic Biology	March, 24 1st week	March, 24 3rd week	Offline (chalk and board), PDF notes
	C 14	4	DNA Amplification and DNA sequencing	March, 24 2nd week	March, 24 4th week	Offline (chalk and board), PDF notes

		5	Applications of Genetic Engineering and Biotechnology	March, 24 4th week	April,24 2nd week	Offline (chalk and board), PDF notes
	DSE 3		Project work on Microbiology of Social Importance	April, 24 1st week	May,24 3rd week	Lab work
	DSE 4	3	Local and global alignment	March, 24 4th week	Apr, 24 2nd week	Offline (chalk and board), PDF notes, on computer
MONAMI MONDAL	C 13	3	Molecular basis of Host-Microbe interaction	Feb, 24 3rd week	March, 24 3rd week	Offline (chalk and board), Word file, PDF notes
		5	Microbiome and its importance	March, 24 4th week	April, 24 2nd week	Offline (chalk and board), Word file, PDF notes
	C 14	1	Introduction to genetic engineering & Molecular Cloning Tools	March, 24 1st week	April, 24 4th week	Offline (chalk and board), Word file, PDF notes
	DSE 3		Project work on Microbiology of social importance	March, 24 1st week	May, 24 4th week	Lab work
	DSE 4	1	Computer fundamentals	March, 24 2nd week	April, 24 1st week	Offline (chalk and board), Word file, PDF notes

CURRICULUM TEACHING PLAN (ACADEMIC YEAR: (2023-2024)
DEPARTMENT OF MICROBIOLOGY
SEMESTER: FOUR (4)

Name of Teacher	Paper	Unit Code	Topic of Discussion	Expected Month & Week (topic started)	Expected Month & Week (topic completed)	Plan of Teaching Aid
SUDESHNA MITRA	C 8	4	Types of plasmids	Feb,24 3rd week	Feb,24 4th week	Offline (chalk and board), Docx, PDF notes
	C 9	2	Solid waste management	Mar,24 1st week	Mar,24 3rd week	Offline (chalk and board), Docx, PDF notes
	C 10	2	Types of bioreactor	Mar,24 4th week	Apr,24 2nd week	Offline (chalk and board), Docx, PDF notes
		3	Downstream Processing	Apr,24 3rd week	May,24 1st week	Online & Offline (chalk and board), Docx, PDF notes
	SEC 2	1	Biofertilizers	May,24 2nd week	May,24 4th week	Offline (chalk and board), Docx, PDF notes
SANGHAMITA DASGUPTA	C VIII	1	Genome organization, Mutation and Mutagenesis	Feb,24 4th week	March,24 4th week	Offline (chalk and board), PDF notes
	C IX	3	Principle and degradation of common pesticides and water potability	April,24 1st week	May,24 4th week	Online & Offline (chalk and board), PDF notes
	CX	2.1	Types of fermentation processes,	April,24 3rd week	April,24 4th week	Offline (chalk and board), PDF notes

		4	Microbial production of industrial products(microorganisms involved,media,fermentation conditions,downstream processing and uses)	May,24 1st week	June,24 2nd week	Offline (chalk and board), PDF notes
	SEC 2	4	Mycorrhizal biofertilizers	March,24 3rd week	April,24 3rd week	Offline (chalk and board), PDF notes
		5	Bioinsecticides	May,24 1st week	June,24 1st week	Offline (chalk and board), PDF notes
DR. MAHUA SINHA CHAKRABORTY	C-8	2	Microbial Genetics	March, 24 1st week	March, 24 3rd week	Offline (chalk and board), PDF notes
		3	Conjugation	March,24 3rd week	March,24 4th week	Offline (chalk and board), PDF notes
	C-9	1	Different types of environments and habitats where microorganisms grow	March, 24 3rd week	March, 24 3rd week	Offline (chalk and board), PDF notes
		4	Microbial Ecology and Microbial Interactions	March, 24 3rd week	April,24 2nd week	Offline (chalk and board), PDF notes
	C-10	5	Enzyme Immobilization	April,24 2nd week	April,24 3rd week	Offline (chalk and board), PDF notes
	SEC 2	2	Cyanobacteria as bio-fertilizers and Nonsymbiotic Nitrogen Fixers	April,24 3rd week	April,24 4th week	Offline (chalk and board), PDF notes
MONAMI MONDAL	C 8	5	Prokaryotic Transposable elements	Feb, 24 3rd week	March, 24 4th week	Offline

						(chalk and board), Word file, PDF notes
	C 9	5	Biogeochemical Cycles	March, 24 3rd week	May, 24 1st week	Offline (chalk and board), Word file, PDF notes
	C 10	1	Sources of industrially important microbes and further methods	March, 24 3rd week	Apr, 24 4th week	Online & Offline (chalk and board), Word file, PDF notes
		2.3	Measurement and control of fermentation parameters	May, 24 1st week	June, 24 2nd week	Online & Offline (chalk and board), Word file, PDF notes
	SEC 2	3	Phosphate solubilizers and PGPR	March, 24 3rd week	June ,24 1st week	Offline (chalk and board), Word file, PDF notes

CURRICULUM TEACHING PLAN (ACADEMIC YEAR: (2023-2024)
DEPARTMENT OF MICROBIOLOGY
SEMESTER: SECOND (2)

Name of Teacher	Paper	Unit Code	Topic Discussion of	Expected Month & Week (topic started)	Expected Month & Week (topic complete)	Plan of Teaching Aid
SUDESHNA MITRA	MJC-2	3.1	Amino acids and Proteins	April,24 2nd week	May,24 4th week	Online & Offline (chalk and board), Docx, PDF notes

<u>SANGHAMITA DASGUPTA</u>	MJC-2	2	Carbohydrates	April,24 2nd week	May,24 4th week	Online(Google meet) & Offline (chalk and board), PDF notes
		3.2	Enzymes	May,24 4th week	June,24 3rd week	Offline (chalk and board), PDF notes
		4.2	Radioactivity	June,24 3rd week	June,24 4th week	Offline (chalk and board), PDF notes
<u>DR. MAHUA SINHA CHAKRABORTY</u>	MJC-2	1	Concept of biomolecules and bioenergetics	April 24, 2nd week	April 24, 4th week	Offline (chalk and board), PDF notes
		5	Nucleic acid and Vitamins	May,24 1 st week	May,24 3rd week	Online(Zoom), PDF notes
MONAMI MONDAL	MJC 2	3.3	Enzyme	May ,24 3rd week	June, 24 3rd week	Offline (chalk and board), Word file, PDF notes
		4	Lipids	April, 24 2nd week	May, 24 2nd week	Online & Offline (chalk and board), Word file, PDF notes

BANWARILAL BHALOTIA COLLEGE
POST GRADUATE DEPARTMENT OF ZOOLOGY



CURRICULUM/TEACHING PLAN OF DR SANGITA LAHIRY

CURRICULUM/TEACHING PLAN FOR ODD SEMESTER 2023-2024
NAME OF THE TEACHER/COURSE INSTRUCTOR: DR SANGITA LAHIRY

1ST SEMESTER NEP2020

COURSE NAME: Diversity of Non-chordates MJC-1

COURSE CODE: BSCZOOMJ101

ASSIGNED SYLLABUS: Unit I: Principles of Animal Classification

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14Kmizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Origin of Metazoans	Chalk, PPT lectures, PDF lectures.
3rd week Dec 2024	Classification and characteristics of Echinoderms upto classes	Chalk, PPT lectures, PDF lectures
2nd & 3rd week Jan 2024	Non-communicable disease, such as, osteoarthritis, rheumatoid arthritis, Cause, precautions- Symptoms, Treatment	Chalk, PPT lectures, PDF lectures
4th week Jan 2024	Oral and Lung cancer, preventive measures	Chalk, PPT lectures, PDF lectures

3RD SEMESTER

COURSE NAME: Comparative Anatomy of Vertebrates (CC-5)

COURSE CODE: BBSCHZOOC302

ASSIGNED SYLLABUS: Skeletal system (Comparative Anatomy and functional significance):
Comparative Anatomy of Vertebrates

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14K Mizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	<p>Axial and appendicular skeleton from fishes (bony) to mammals. Pelvic and pectoral girdles from fishes (bony) to mammals.</p> <p>Muscular system: Types of muscles from fishes to mammals, Properties of skeletal muscle. Physiology of skeletal muscle contraction.</p> <p>Unit II:</p> <p>Digestive system- Comparative anatomy of jaw suspension. Dentition in mammals. General Structure and diversity of alimentary canal and digestive glands in vertebrates. Physiology of ruminating stomach. Physiology of digestion with special reference to enzymes involved in vertebrates. Concept of BMR</p>	Chalk, PPT lectures, PDF lectures
2nd, 3rd & 4th week Jan 2024	<p>Muscular system: Types of muscles from fishes to mammals, Properties of skeletal muscle. Physiology of skeletal muscle contraction.</p>	Chalk, PPT lectures, PDF lectures
1st, 2nd, 3rd & 4th week Feb 2024	<p>Digestive system- Comparative anatomy of jaw suspension. Dentition in mammals. General Structure and diversity of alimentary canal and digestive glands in vertebrates. Physiology of ruminating stomach. Physiology of digestion with special reference to enzymes involved in vertebrates. Concept of BMR.</p>	Chalk, PPT lectures, PDF lectures

COURSE NAME: Biochemistry (CC-7)

COURSE CODE: BSCHZOOC303

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14Kmizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Enzymes: Nomenclature and classification, general properties, specificity of enzyme action, cofactors, isozymes, clinical and industrial application. Mechanism of enzyme action (ES complex and lowering of activation energy, chemical catalysis).	Chalk, PPT lectures, PDF lectures
2nd, 3rd & 4th week Jan 2024	Kinetics (determination of K_m and V_{max} using Michaelis-Menten and Lineweaver-Burk plots). Regulation of enzyme activity: substrate level, Feedback, allosteric regulation, role of covalent modifications. Enzyme inhibition-Competitive, Non-Competitive, Un-Competitive, Suicide.	Chalk, PPT lectures, PDF lectures
1st, 2nd, 3rd & 4th week Feb 2024	Enzyme inhibition-Competitive, Non-Competitive, Un-Competitive, Suicide. Ribozymes and concept of abzymes.	Chalk, PPT lectures, PDF lectures

5TH SEMESTER

COURSE NAME: Biotechniques (CC-11)

COURSE CODE: BSCHZOOLC501

ASSIGNED SYLLABUS: UNIT IV: Cell culture, maintenance of Laboratory animals

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14Kmizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Introduction to Cell Culture: Cell culture (in vitro, in vivo, ex vivo) and its basic requirements (laboratory facility), application and limitation of animal cell culture. Sterilization of culture wares and Media, use of laminar flow.	Chalk, PPT lectures, PDF lectures.
2nd, 3rd & 4th week Jan 2024	Types of animal cell culture (primary and secondary), Cell counting (Flow cytometer, haemocytometer) and cell viability testing (Trypan blue exclusion). Cell harvesting and Storage Methods.	Chalk, PPT lectures, PDF lectures.
1st, 2nd, 3rd & 4th week Feb 2024	In Vitro culture of <i>Entamoeba histolytica</i> , <i>Coenorhabditis elegans</i> . Maintenance and Handling of cell lines, laboratory rats and rabbits. Good laboratory practice (GLP) & Bioethics.	Chalk, PPT lectures, PDF lectures.

COURSE NAME: Microbiology, Parasitology & Immunology (CC-12)

Course Code: BSCHZOOC502

ASSIGNED SYLLABUS: Unit 2: Parasitology: an overview of common parasitic infections

Unit 4: Acquired immunity, Hypersensitivity and autoimmune disorders

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14K Mizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Protozoan diseases of medical importance: amoebiasis, giardiasis, malaria, leishmaniasis (Life cycle, pathogenesis, prophylaxis and Treatment). Acquired immunity: Humoral and cell mediated	Chalk, PPT lectures, PDF lectures.

	immune response. Cytokines: Properties and function. MHC complex and molecules with classification and function. Graft rejection. Antigen processing and their presentation; cross presentation of exogenous antigen.	
--	--	--

CURRICULUM/TEACHING PLAN FOR EVEN SEMESTER 2023-2024
NAME OF THE TEACHER/COURSE INSTRUCTOR: DR SANGITA LAHIRY

2ND SEMESTER NEP2020 MAJOR

COURSE NAME: Diversity of Chordates MJC-2

COURSE CODE: BSCZOOMJ201

ASSIGNED SYLLABUS: Unit 1: Protochordate and Agnatha

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14Kmizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
1st week May 2024	Characters and affinities of Hemichordates General characteristics of Urochordata and Cephalochordata	Chalk, PPT lectures, PDF lectures.
2nd & 3rd week May 2024	Study of larval forms in protochordate Retrogressive metamorphosis in <i>Ascidia</i>	Chalk, PPT lectures, PDF lectures.
4th week May 2024	Characteristics of Urochordata and Cephalochordata;	Chalk, PPT lectures, PDF lectures.

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR ARNAB GANGULI

COURSE NAME: Instrumentation and Clinical Diagnosis

COURSE CODE: BSCZOOSE201

ASSIGNED SYLLABUS: UNIT IV: Cell culture and clinical diagnosis

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14Kmizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
1st week May 2024	Introduction to Cell Culture: Cell culture (in vitro, in vivo, ex vivo) and its basic requirements (laboratory facility), application and limitation of animal cell culture.	Chalk, PPT lectures, PDF lectures.
2nd & 3rd week May 2024	Cell counting (haemocytometer, Flow cytometer) and cell viability testing (Trypan blue exclusion). Cryopreservation (principle, cryopreservant, methodologies, cryoprotectant, revival/thawing, factors for good survivality, banking of cell lines, advantages, applications).	Chalk, PPT lectures, PDF lectures.
4th week May 2024	Medical applications of CT, MRI, EEG, ECG. Haematology techniques: Glucometer, haemometer Good laboratory practice (GLP) & Bioethics (General concept).	Chalk, PPT lectures, PDF lectures.

4TH SEMESTER

COURSE NAME: Developmental Biology & Evolution

COURSE CODE:BSCHZOOC402

ASSIGNED SYLLABUS:

Unit II: How does development affect organization of phenotypes and their variation?

UNIT IV: Understanding evolution through natural selection, adaptation and optimal models trade offs

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14K Mizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
1st week May 2024	Direct and indirect development. Cleavage: types and patterns. Body plan and symmetries. Germ layer differentiation. Tubulation. Morpho-	Chalk, PPT lectures, PDF lectures.

	genesis: Epiboly, emboly/ invagination, involution and ingression.	
2nd & 3rd week May 2024	Number and size of offspring; Parent-offspring conflict. Micro-evolutionary changes (inter-population variations, clines, Ring species, races), Species concept, Isolating mechanisms.	Chalk, PPT lectures, PDF lectures.
4th week May 2024	Modes of speciation, Adaptive radiation/macroevolution (Darwin finches, marsupials, Red Queen Hypothesis).	Chalk, PPT lectures, PDF lectures.
1st, 2nd, 3rd & 4th week June 2024	Phyletic gradualism and punctuated equilibrium.	Chalk, PPT lectures, PDF lectures.

6TH SEMESTER

COURSE NAME: Applied Zoology

COURSE CODE: BSCHZOOC602

ASSIGNED SYLLABUS: UNIT I: Aquaculture

UNIT II: Apiculture, Lac culture and Sericulture

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14Kmizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
Month of May 2024	Pearl formation process, Artificial pearl culture	Chalk, PPT lectures, PDF lectures.
Month of June 2024	Sericulture: Types of silk; Silkworms and their host plants; Mulberry silkworm culture; Life history of silkworm; Natural enemies and their control.	Chalk, PPT lectures, PDF lectures.

COURSE NAME: Aquatic Biology

COURSE CODE: BSCHZOODSE603

ASSIGNED SYLLABUS: UNIT – III Abiotic conditions of marine ecosystems

GOOGLE SITE LINK FOR STUDY MATERIALS:

<https://sites.google.com/u/0/d/14Kmizotw45hC9SDRc8Vi5INExnXW7DuQ/preview>

Expected time span	Topics Covered	Teaching method
--------------------	----------------	-----------------

Month of July 2024	Classification of marine ecosystem: Estuaries, intertidal zones, Oceanic pelagic zone, marine benthic zone.	Chalk, PPT lectures, PDF lectures.
--------------------	---	------------------------------------

CURRICULUM/TEACHING PLAN OF DR ARNAB GANGULI

CURRICULUM/TEACHING PLAN FOR ODD SEMESTER 2023-2024

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR ARNAB GANGULI

1ST SEMESTER NEP2020

COURSE NAME: Diversity of Non-chordates MJC-1

COURSE CODE: BSCZOOMJ101

ASSIGNED SYLLABUS: Unit I: Principles of Animal Classification

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Definitions: Systematics, taxonomy, Hierarchy, taxonomic levels/types (alpha, beta, gamma, omega, cytotaxonomy, numerical taxonomy, and chemotaxonomy).	Chalk, PPT lectures, PDF lectures, online and offline video lectures
3rd week Dec 2024	Principles of codes of Zoological Nomenclature: Binomial nomenclature and utility of scientific names.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week Jan 2024	Principle of priority; Principle of typification (Holotype, Syntype, Allotype, Paratype, Lectotype, Paralectotype, Neotype); Principle of Homonymy and synonymy.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week Jan 2024	Classification: morphological and evolutionary (molecular): Artificial, Natural and phylogenetic concept, Basic idea on Phenetics and Cladistics.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Diversity of Non-chordates (MNC-1)

COURSE CODE: BSCZOOMN101

ASSIGNED SYLLABUS: Unit I: Principles of Animal Classification

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Definitions: Systematics, taxonomy, Hierarchy,	Chalk, PPT lectures, PDF lectures, online and offline

	taxonomic levels/types (alpha, beta, gamma, omega).	video lectures
2nd, 3rd & 4th week Jan 2024	Principles of codes of Zoological Nomenclature : Binomial nomenclature and utility of scientific names. Principle of priority; Principle of typification (Holotype, Syntype, Allotype, Paratype, Lectotype, Paralectotype, Neotype); Principle of Homonymy and synonymy.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Classification : Artificial, Natural and phylogenetic concept.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

3RD SEMESTER

COURSE NAME: Genetics (CC-6)

COURSE CODE: BBSCHZOOC302

ASSIGNED SYLLABUS: UNIT I: Concept of Genes and Genomics

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Genetics: scope and importance, Classical and Modern concept of Gene (Cistron, muton, recon), Alleles etc, Mendel's laws of inheritance.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd, 3rd & 4th week Jan 2024	Chromosomal basis of inheritance and its applications, Mendelian traits in man: Sex linked, Sex limited, Sex influenced inheritance,	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Exceptions to Mendelian Inheritance: Incomplete dominance, Codominance, Multiple allelism, Lethal alleles, Pleiotropy, Epistasis - Recessive, Duplicate recessive, Dominant and Duplicate dominant. Phenocopy, Polygenic	Chalk, PPT lectures, PDF lectures, online and offline video lectures

	inheritance.	
--	--------------	--

COURSE NAME: Biochemistry (CC-7)

COURSE CODE: BSCHZOOC303

ASSIGNED SYLLABUS: UNIT I: Introduction to Biochemistry and biology of Carbohydrates

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Introduction, scope and importance of Biochemistry, Basic concept of Bioenergetics and redox system, Water as biological solvent,	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd, 3rd & 4th week Jan 2024	Carbohydrates: Structure (isomeric forms of hexose) and biological importance, Classification - Reducing and non-reducing sugars, monosaccharides, Oligosaccharides (Disaccharides), Polysaccharides (glycogen, peptidoglycans and glycosaminoglycans).	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Catabolism of carbohydrates and ATP production: Glycolysis, Krebs cycle, Functioning of Electron transport system and ATP synthesis (Paul Boyer's model), Phosphate pentose pathway, Gluconeogenesis, Glycogenolysis and Glycogenesis.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

5TH SEMESTER

COURSE NAME: Developmental Biology (CC-12)

COURSE CODE: BSCHZOOLC502

ASSIGNED SYLLABUS: UNIT I: Concept of Genes and Genomics

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
--------------------	----------------	-----------------

1st, 2nd & 3rd week Dec 2023	Historical perspective and basic concepts: Phases of development, Cell-Cell interaction,	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd, 3rd & 4th week Jan 2024	Pattern formation, Differentiation and growth, Differential gene expression,	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Cytoplasmic determinants and asymmetric cell division	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Molecular Biology (CC-11)

COURSE CODE: BSCHZOLC501

ASSIGNED SYLLABUS: Unit 8: Regulatory RNAs

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Ribo-switches, RNA interference, miRNA, siRNA	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Developmental Biology (CC-12)

COURSE CODE: BSCHZOLC502

ASSIGNED SYLLABUS: Practical

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
2nd, 3rd & 4th week Jan 2024	Study of the developmental stages and life cycle of Drosophila from stock culture, Project report on Drosophila culture/chick embryo development	Practical

CURRICULUM/TEACHING PLAN FOR EVEN SEMESTER 2023-2024

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR ARNAB GANGULI
2ND SEMESTER NEP2020 MAJOR

COURSE NAME: Diversity of Chordates MJC-2

COURSE CODE: BSCZOOMJ201

ASSIGNED SYLLABUS: Unit 1: Protochordate and Agnatha

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
--------------------	----------------	-----------------

1st week May 2024	Characters and affinities of Hemichordates. General characteristics of Urochordata and Cephalochordata;	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	Study of larval forms in protochordate; Retrogressive metamorphosis in Urochordata,	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	Origin of Chordata, General characteristics, affinities, and biology of cyclostomes	Chalk, PPT lectures, PDF lectures, online and offline video lectures

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR ARNAB GANGULI

2ND SEMESTER NEP2020 Minor

COURSE NAME: Diversity of Chordates MNC-2

COURSE CODE: BSCZOOMN201

ASSIGNED SYLLABUS: Unit 1: Protochordate and Agnatha and Unit 4 : Specialized System

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Characters and affinities of Hemichordates. General characteristics of Urochordata and Cephalochordata;	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	Study of larval forms in protochordate; Retrogressive metamorphosis in Urochordata, Accessory respiratory organ and acoustico lateralis system in fishes	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	Origin of Chordata, General characteristics, affinities, and biology of cyclostomes, Poison apparatus and Biting mechanism in snakes	Chalk, PPT lectures, PDF lectures, online and offline video lectures

4TH SEMESTER

COURSE NAME: Molecular Biology (CC-10)

COURSE CODE: BSCHZOOC403

ASSIGNED SYLLABUS: Unit -1: Central dogma; Genome and Nucleic acid properties

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Central Dogma of Molecular Biology, DNA forms: Plasmid DNA, Genomic DNA and Repetitive DNA.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	Origin and evolution of Prokaryotic and Eukaryotic Genes and Genomes. Model Genomes (E. Coli, Arabidopsis thaliana); Mitochondrial genome.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	Structure and Topology of DNA (triple helix, G-quadruplex, supercoiled forms, linking number),	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week June 2024	Physical properties of DNA: Denaturation-renaturation, cot curve, Hyperchromic shift, C-value paradox, DNA methylation; DNA-Protein interaction, DNA polymorphisms (SNPs, SSLP, RAPD, RFLP, VNTR, RAPD, AFLP),	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Developmental Biology & Evolution (CC-9)

COURSE CODE:BSCHZOO402

ASSIGNED SYLLABUS: UNIT I: How does reproduction start, commence and modify in living system?

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd, 3rd & 4th week June 2024	Basics of reproduction: Reproduction: a basis of species sustenance; Asexual and sexual reproduction and their relevance in corresponding environments; How are germ cells “special”?; Gametogenesis: Gamete formation, types, their diversity and competence.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Developmental Biology & Evolution (CC-9)

COURSE CODE:BSCHZOOC402

ASSIGNED SYLLABUS: Group discussion or Seminar presentation (Practical)

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
Months of May, Jun, July 2024	Group discussion or Seminar presentation	Student presentation using ICT

6TH SEMESTER

COURSE NAME: Principles of Genetics (CC-13)

COURSE CODE:BSCHZOOLC601

ASSIGNED SYLLABUS: Unit 1: Mendelian Genetics and its Extension, Unit 2: Linkage, Crossing Over and Chromosomal Mapping

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
Month of May 2024	Principles of inheritance, Incomplete dominance and co-dominance, Multiple alleles, Lethal alleles, Epistasis, Pleiotropy, Sex-linked, sex influenced and sex-limited characters inheritance	Chalk, PPT lectures, PDF lectures, online and offline video lectures
Month of June 2024	Linkage and crossing over, Cytological basis of crossing over, Molecular mechanisms of crossing over including models of recombination, Recombination frequency as a measure of linkage intensity, Two factor and three factor crosses, Interference and coincidence, Somatic cell hybridization	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Evolutionary Biology (CC-15)

COURSE CODE:BSCHZOOLC602

ASSIGNED SYLLABUS: Unit 1:Life's Beginnings:

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
Month of July 2024	Life's Beginnings: Chemogeny, RNA world, Biogeny, Origin of photosynthesis, Evolution of eukaryotes	Chalk, PPT lectures, PDF lectures, online and offline video lectures

NAME OF THE FACULTY : SASWATI CHAKRABORTY

CURRICULUM/TEACHING PLAN OF SASWATI CHAKRABORTY

CURRICULUM/TEACHING PLAN FOR ODD SEMESTER 2023-2024

NAME OF THE TEACHER/COURSE INSTRUCTOR: SASWATI CHAKRABORTY

1st SEMESTER

COURSE NAME: Diversity of Non-Chordates

COURSE CODE: BSCHZOOMJ101

COURSE NAME: Public Health and Hygiene

COURSE CODE: BSCHZOOSE101

ASSIGNED SYLLABUS: MJC I :Unit IV: Diversity in Coelomate Non chordates and hemichordates

SECI: UNIT I: Maintenance of personal and community hygiene

UNIT II: Nutrient Deficiency Disease

UNIT III: Communicable and contagious disease

UNIT IV: Non communicable disease and cure

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Basic organization and diversity in Molluscs. Torsion & Detorsion	Chalk, PPT lectures, PDF lectures, online and offline video lectures

3rd week Dec 2023	Radiation hazards Significance of breast feeding	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week Jan 2024	Malnutrition anomalies Sexually Transmitted Disease	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week Jan 2024	Gastrointestinal disorder	Chalk, PPT lectures, PDF lectures, online and offline video lectures

3RD SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR: SASWATI CHAKRABORTY

COURSE NAME: Genetics(CC-6)

Bio-chemistry (CC-7)

COURSE CODE: BSCHZOOC302

BSCHZOOC303

ASSIGNED SYLLABUS: CC-6:UNIT IV: Human Population Genetics and Genetic Counselling

CC-7: UNIT II: Lipids: Structure and Biological significance.

CC-7: UNIT IV: Nucleic acids and chromosome:

ASSIGNED CLASSES: 2CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Structure -Bases, nucleosides, nucleotides and sugar pucker. DNA structure: Conformation (A, B and Z), Base pairing, Structural Determination using X-ray crystallography.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

	DNA double helix (Watson and Crick model).	
2nd, 3rd & 4th week Jan 2024	Chromosomes, Chromatin, Organization of nucleosomes and higher order structure, Histones, Histone-modifications. Structure and Function of RNA, Ribosomal RNA (rRNA), Transfer RNA (tRNA), Messenger RNA (mRNA), Noncoding RNAs.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Lipids: Structure and Biological significance. Metabolism: β - oxidation of saturated fatty acids with even and odd number of carbon atoms, ω oxidation -significance, Biosynthesis of palmitic acid; Ketogenesis. UNIT III: Biology of Proteins and Enzymes	Chalk, PPT lectures, PDF lectures, online and offline video lectures

5TH SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR:SASWATI CHAKRABORTY

COURSE NAME: CC-XI:Molecular biology

CC-XII: Developmental Biology

COURSE CODE: BSCHZOLC501

BSCHZOLC502

ASSIGNED SYLLABUS: CC-11: Unit 5: Molecular biology

CC-12: Unit 3 : Late Embryonic Development

CC-12: Unit 4: Post Embryonic Development

ASSIGNED CLASSES: 3CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Split genes: concept of introns and exons, splicing mechanism, alternative splicing, exon shuffling, and RNA editing,	Chalk, PPT lectures, PDF lectures, online and offline video lectures

	Processing of hnRNA	
2nd, 3rd & 4th week Jan 2024	Fate of Germ Layers; Extra-embryonic membranes in birds; Implantation of embryo in humans, Placenta (Structure, types and functions of placenta)	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Metamorphosis: Changes, hormonal regulations in amphibians and insects; Regeneration: Modes of regeneration, epimorphosis, morphallaxis and compensatory regeneration (with one example each); Ageing: Concepts and Theories	Chalk, PPT lectures, PDF lectures, online and offline video lectures

CURRICULUM/TEACHING PLAN FOR EVEN SEMESTER 2022-2023

4TH SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR: SASWATI CHAKRABORTY

COURSE NAME:CC-8: Behaviour and Chronobiology

CC-9: Developmental Biology & Evolution

CC-10: Molecular Biology

COURSE CODE: BSCHZOOC401

BSCHZOOC402

BSCHZOOC403

ASSIGNED SYLLABUS: CC-8: UNIT II: Innate behaviour; Evolution of reproductive behavior

CC-9: UNIT I: How does reproduction start, commence and modify in living system?

CC-10: Unit –III: RNA transcription, processing, editing, splicing etc.

Unit –IV: Genetic Code and Translation

ASSIGNED CLASSES:3 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Mimicry and colouration Migratory behaviour in birds and fishes.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	Fertilization: Merit and demerits of external and internal fertilization; Structural and biochemical changes in gametes during and after fertilization in Human, Block to polyspermy in sea urchin and Human.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	Role of extra embryonic membranes in development of amniota and anamniota, Placenta: types, formation and functions.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week June 2024	Theories of evolution: Lamarckism, Darwinism, modern synthetic theory, Hardy-Weinberg Equilibrium (gene and genotype frequency, simple problems and implications), Genome evolution: Mobile genetic elements; gene duplication. Evolution and Health: Evolution of antibiotic Resistance, Virulence, . RNA processing: 5'-capping and 3'-polyadenylation of mRNA, Splicing of hnRNA into mRNA (Spliceosome complex), rRNA and tRNA modifications and processing; RNA editing, alternative splicing. Unit IV: Mechanism of Translation in <i>E. coli</i> and eukaryotic cell (Aminoacylation of tRNA, initiation, elongation, peptide bond formation, translocation, termination, Recycling of ribosome, Inhibitors of translation) Regulation of Translation Post-translational modifications and processing of proteins Evolutionary medicine	Chalk, PPT lectures, PDF lectures, online and offline video lectures

6TH SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR:SASWATI CHAKRABORTY

COURSE NAME: CC 13: Principles of Genetics

CC 14: Evolutionary Biology

DSE 3: Parasitology

COURSE CODE:BSCHZOO LC601

BSCHZOO LC602

BSCHZOO LDSE601

ASSIGNED SYLLABUS:CC-13: Unit 3: Mutation

Unit 8:Transposable Genetic Element

CC-14: Unit 2: Historical review of evolutionary concept:

DSE-3: Unit 2: Parasitic Protists

ASSIGNED CLASSES:4 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
Month of May 2024	Types of gene mutations (Classification), Types of chromosomal aberrations (Classification, figures and with one suitable example of each), Molecular basis of mutations in relation to UV light and chemical mutagens; Detection of mutations: CLB method, attached X method Transposable Genetic Elements Transposons in bacteria, Ac-Ds elements in maize and P elements in Drosophila, Transposons in humans	Chalk, PPT lectures, PDF lectures, online and offline video lectures
Month of June 2024	Historical review of evolutionary concept: Lamarckism, Darwinism, Neo-Darwinism Parasitic Protists Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of Entamoeba histolytica, Trypanosoma gambiense, Plasmodium vivax	Chalk, PPT lectures, PDF lectures, online and offline video lectures

CURRICULUM/TEACHING PLAN FOR ODD SEMESTER 2023-2024

1ST SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR RAJRUPA GHOSH

ASSIGNED SYLLABUS: CC-1-Unit III: Structure and Diversity in Protists

Type study: *Taenia*

Unit IV : Classification and characteristics of Annelids upto classes, Excretory system in *Pheretima*

SEC 1

Unit –I: Introduction to public health and hygiene

Pollution and Health hazards and diseases : Cholera, Typhoid, SARS-CoV

Unit – II: Classification of food into micro and macro nutrients.

- Balanced diet.
- Importance of dietary fibers.

CC1 : Practical (Minor)

ASSIGNED CLASSES: 4 CLASSES / WEEK)

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Structure and diversity in Protists. (Hons.) Classification and characteristics of Annelids upto classes, Excretory system in <i>Pheretima</i>	Chalk, PPT lectures, PDF lectures
3rd week Dec 2023	Type study: <i>Taenia</i> and Classification and characteristics of Annelids upto classes, Excretory system in <i>Pheretima</i>	Chalk, PPT lectures, PDF lectures
2nd & 3rd week Jan 2024	Type study: <i>Taenia</i> . (Hons.) and public health and hygiene	Chalk, PPT lectures, PDF lectures, online and offline video lectures

4th week Jan 2024	Classification of food into micro and macro nutrients	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1 st and 2 nd week February 2024	diseases : Cholera, Typhoid, SARS-CoV and Practical	Chalk, PPT lectures, PDF lectures, online and offline video lectures Zoology lab.
3 rd and 4 th week February 2024	diseases : Cholera, Typhoid, SARS-CoV and Practical	Chalk, PPT lectures, PDF lectures, online and offline video lectures Zoology lab.

3RD SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR RAJRUPA GHOSH

COURSE NAME: SEC1 (HONS): BEEKEEPING

COURSE CODE: BSCHZOOSE301

ASSIGNED SYLLABUS: SEC1 (HONS): Unit III: The first step in beekeeping.

Unit IV: Entrepreneurship in Beekeeping industry.

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	1. Purchase of a colony 2. the Apiary site, how to manage (Seasonal and Routine) a colony, the manipulation of a colony. 3. Bee products: Honey, Bee wax, Pollens, Royal Jelly, Propolis and Bee venom.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

2nd, 3rd & 4th week Jan 2024	<p>4. Taking care of bee (brood and adult) diseases and enemies.</p> <p>5. Establishment of a colony.</p> <p>6. Bee flora and planned pollination services (Modern Methods in employing artificial Beehives for cross pollination in horticultural gardens)</p>	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	<p>1. Harvesting and marketing of bee products.</p> <p>2. Bee Keeping Industry – Recent Efforts.</p> <p>3. Important Institutions pertinent to Apiculture: National Bee keeping.</p>	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: BIODIVERSITY CONSERVATION AND SUSTAINABLE DEVELOPMENT

COURSE CODE: BSCHZOOGE301

ASSIGNED SYLLABUS: GE3: Unit I: Anthropogenic impact on environment.

Unit III: Biodiversity and resource conservation programmes

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	<p>1. Man as an animal species in the ecosystem.</p> <p>2. Population explosion. carrying capacity, exploitation of resources due to urbanization, industrialization and agricultural practices.</p> <p>3. Generation of agricultural, municipal, industrial waste and their impact on environment.</p>	Chalk, PPT lectures, PDF lectures, online and offline video lectures

<p>2nd, 3rd & 4th week Jan 2024</p>	<p>4. Pollution of air, water, soil and noise; radioactive pollution (causes and impact on human health).</p> <p>5. Case histories on Bhopal gas tragedy, Chernobyl disaster, Seveso disaster and Three Mile Island accident and their aftermath.</p> <p>6. Causes and environmental impact of Eutrophication, Deforestation.</p> <p>7. Threats to biodiversity, Extinction of species.</p>	<p>Chalk, PPT lectures, PDF lectures, online and offline video lectures</p>
<p>1st, 2nd, 3rd & 4th week Feb 2024</p>	<p>1. Management of wastes and disposal (Solid waste disposal, Biomedical waste handling and disposal, Nuclear waste handling and disposal, Waste from thermal power plants).</p> <p>2. Concepts of three R's ("waste hierarchy"): reduce, reuse and recycle.</p> <p>3. Methods of prevention and control of Eutrophication.</p>	<p>Chalk, PPT lectures, PDF lectures, online and offline video lectures</p>
<p>1st and 2nd week of March 2024</p>	<p>4. Bioremediation.</p> <p>5. Biodiversity conservation– In-situ e.g., Sanctuaries, National Parks, Biosphere Reserves, World Heritage Sites; Ex-situ e.g., Zoo, botanical gardens, gene banks, cryopreservation.</p> <p>6. Contour farming, reforestation; Rainwater harvesting, groundwater water recharge.</p> <p>7. Green technologies, Eco-cities, Social and Joint forestry.</p>	<p>Chalk, PPT lectures, PDF lectures</p>

COURSE NAME: SEC1 (PROG): BEEKEEPING

COURSE CODE: BSCPZOOSE301

ASSIGNED SYLLABUS: Unit I: Introduction to Apiculture.

Unit II: Bee keeping as an occupation.

Unit III: The first step in beekeeping.

Unit IV: Entrepreneurship in Beekeeping industry.

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Unit I: Introduction to Apiculture	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd, 3rd & 4th week Jan 2024	Unit II: Bee keeping as an occupation.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Unit III: The first step in beekeeping.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st and 2nd week of March 2024	Unit IV: Entrepreneurship in Beekeeping industry	Chalk, PPT lectures, PDF lectures

5th SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR RAJRUPA GHOSH

COURSE NAME: SEC3(PROG): Public Health and Hygiene

ASSIGNED SYLLABUS: Unit I: Maintenance of personal and community hygiene.

Unit II: Nutrient deficiency diseases.

Unit III: Communicable and contagious disease

Unit IV: /non-Communicable and cure

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Maintenance of personal and community hygiene	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd, 3rd & 4th week Jan 2024	Unit II: Nutrient deficiency diseases. .	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Unit III: Communicable and contagious disease .	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st and 2nd week of March 2024	Unit IV: /non-Communicable and cure	Chalk, PPT lectures, PDF lectures

CURRICULUM/TEACHING PLAN FOR EVEN SEMESTER 2023-2024

2ND SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR- DR RAJRUPA GHOSH

COURSE NAME: Comparative anatomy & Physiology of nonchordates

COURSE CODE: BSCHZOOC201

ASSIGNED SYLLABUS: 1. General characteristics and Classification of fish up to sub-class.

2. Fish migration

3. Affinities of lung fishes,

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	1. General characteristics and Classification of fish up to sub-class.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	2. Fish migration	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	3. Affinities of lung fishes,	Chalk, PPT lectures, PDF lectures, online and offline video lectures

4TH SEMESTER**NAME OF THE TEACHER/COURSE INSTRUCTOR:** DR RAJRUPA GHOSH**COURSE NAME:** SERICULTURE**COURSE CODE:** BSCHZOOSE401**ASSIGNED SYLLABUS:** Unit I: Silkworm distribution and races

Unit II: Biology of silkworm and rearing technology

Unit III: Diseases & pests of silk worm with prevention & control

Unit IV: Prospects of Sericulture in India

ASSIGNED CLASSES: 3 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Unit I: Silkworm distribution and races	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	Unit II: Biology of silkworm and rearing technology	Chalk, PPT lectures, PDF lectures, online and offline

		video lectures
4th week May 2024	Unit III: Diseases & pests of silk worm with prevention & control	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week June 2024	Unit IV: Prospects of Sericulture in India	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: SERICULTURE

COURSE CODE: BSCHPOOSE401

ASSIGNED SYLLABUS: Unit I: Silkworm distribution and races

Unit II: Biology of silkworm and rearing technology

Unit III: Diseases & pests of silk worm with prevention & control

Unit IV: Prospects of Sericulture in India

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Unit I: Silkworm distribution and races	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	Unit II: Biology of silkworm and rearing technology	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	Unit III: Diseases & pests of silk worm with prevention & control	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week June 2024	Unit IV: Prospects of Sericulture in India	Chalk, PPT lectures, PDF lectures, online and offline video lectures

6TH SEMESTER

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR RAJRUPA GHOSH

COURSE NAME: AQUATIC BIOLOGY

COURSE CODE: BSCHZOODSE603

ASSIGNED SYLLABUS: DSE4 (HONS): Unit 1: Aquatic Biomes.

Unit 2: Freshwater Biology.

ASSIGNED CLASSES: 4 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
Month of April 2024	UNIT – I Abiotic conditions of Freshwater ecosystems- 1. Physical & chemical properties of water. 2. Brief introduction of the aquatic ecosystems. 3. Freshwater ecosystems (lakes, wetlands, streams and rivers).	Chalk, PPT lectures, PDF lectures, online and offline video lectures
Month of May 2024	4. Physico-chemical Characteristics of fresh water bodies: Light, Temperature, Thermal stratification, Dissolved Solids, Carbonate, Bicarbonates, Phosphates and Nitrates, Turbidity: dissolved gases (Oxygen, Carbon dioxide). 5. Origin and classification of lakes. 6. Streams: Different stages of stream development.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
Month of May 2024	UNIT II Aquatic organisms - 1. Feeding in aquatic organisms. 2. Respiration in aquatic organisms.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

	3. Osmoregulation in freshwater and marine organisms. 4. Adaptation of hill-stream fishes. 5. Adaptation of deep-sea organisms.	
--	---	--

COURSE NAME: WILDLIFE CONSERVATION AND MANAGEMENT

COURSE CODE: BSCPZOODSE6

ASSIGNED SYLLABUS: Unit 1: Introduction to Wildlife.

Unit 4: Management Planning of Wild Life in Protected Areas.

Unit 5: Protected areas In-situ & Ex-situ Conservation

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
Month of April 2024	Unit 1: Introduction to Wildlife	Chalk, PPT lectures, PDF lectures, online and offline video lectures
Month of May 2024	Unit 4: Management Planning of Wild Life in Protected Areas.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
Month of May 2024	Unit 5: Protected areas In-situ & Ex-situ Conservation	Chalk, PPT lectures, PDF lectures, online and offline video lectures

AQAR Criteria 1



Time Phase: 1st September 2023 to 31st May 2024

**Banwarilal Bhalotia College
Post Graduate Department of Zoology**

Curriculum / Teaching plan for Odd Semester of Academic Year 2020-21

Name of the Teacher: Mr. Raja Mukherjee

Discipline: Zoology

Semester: V

Course Name: 1. MICROBIOLOGY, PARASITOLOGY & IMMUNOLOGY
2. LIVESTOCK MANAGEMENT AND ANIMAL HUSBANDRY

Course code: 1. BSCHZOOC502
2. BSCHZOODSE502



Assigned Syllabus: 1. Unit 3: Immunology (1, 2, 3, 4, 7, 9)
2. Unit III: Maintenance of breeds & Unit IV: Marketing and related issues

Assigned class: 2 classes per week.

Expected time span	Topics Covered	Teaching method
1 st week of Sep'23	Basic concept on Immunology	Board work and general discussion
1 st week of Sep'23	Definition and classification, Distribution of topic for seminar presentation (DSE paper)	Study material uploaded on Google site
2 nd week of Sep'23	Cells and organs of immune system- primary lymphoid organs & secondary lymphoid organs.	Board work ,Offline class, Study material uploaded on Google site
2 nd week of Sep'23	Common Breeds of Livestock: Breeds of Cattle, goat and poultry: Selecting live stocks;	Board work , Offline class, Study material uploaded on Google site
3 rd week of Sep'23	Innate immunity: First and second lines of defense	Board work , Offline class, Study material uploaded on Google site
3 rd week of Sep'23	Characteristics of antigen-antigenicity and immunogenicity, epitopes, haptens, adjuvant. Factors influencing immunogenicity	Board work , Offline class, Study material uploaded on Google site
1 st week of Nov'23	Facilities and Equipment; Housing; Maintenance and health care; Factors influencing immunogenicity	Board work , Offline class, Hard copy Study material provided Board work , Offline class, Study material uploaded on Google site

2 nd week of Nov'23	Antigenic determinants: isotype, allotype and idiotype	Board work , Offline class, Study material uploaded on Google site
2 nd week of Nov'23	Complement system (Classical, alternative and lectin pathways).	Board work , Offline class, Power point presentation, Study material uploaded on Google site
1 st week of Dec'23	Management of breeding stocks and products	Board work , Offline class, Hard copy Study material provided
1 st week of Dec'23	Vaccination programmes and Deworming programmes	Board work , Offline class, Hard copy Study material provided
2 nd week of Dec'23	Planning and Marketing; Culling, Forward Contracting, Backgrounding	Board work , Offline class, Hard copy Study material provided
2 nd week of Dec'23	Quality control; Future prospects.	Board work , Offline class, Hard copy Study material provided
3 rd week of Dec'23	Basic principles of Genetics and tools for genetic improvement	Board work , Offline class, Hard copy Study material provided
1 st week of Jan'24	Current issues affecting the livestock industry	Board work , Offline class, Hard copy Study material provided
Month of Jan'24	Discussion	

Semester: V

Course Name: LIVESTOCK MANAGEMENT AND ANIMAL HUSBANDRY

Course Code: BSCHZOODSE502 (Practical)

Assigned Syllabus: Unit 1 - Unit 6

Expected time span	Topics Covered	Teaching method
Month of Nov 2023	Estimation of albumen and yolk quantity in eggs Estimation of cholesterol and peroxides in meat	Laboratory work , Practice
Month of Dec 2023	Estimation (quantitative) of proteins in feed (Lowry). Estimation of calcium in egg shell	Laboratory work , Practice
Month of Jan 2024	Group discussion or Seminar presentation	Power Point presentation by students

Curriculum / Teaching plan for Odd Semester of Academic Year 2021-22

Semester: III

Course Name: Biochemistry

Course Code: BSCHZOOC303

Assigned Syllabus: UNIT III: Biology of Proteins and Enzymes

Assigned class: One Class per week.

Expected time span	Topics Covered	Teaching method
2 nd week of Sep'23	Proteins: Composition and Biological significance	Board work & general discussion
2 nd week of Sep'23	Amino acids -Structure, classification and properties, Ionization, titration curve, pK and pI.	Board work , Offline class, Power point presentation, Study material uploaded on Google site
3 rd week of Sep'23	Amino acids - Ionization, titration curve, pK and pI.	Board work , Offline class, Study material uploaded on Google site
3 rd week of Oct'23	Physiological importance of essential and non-essential amino acids.	Board work , Offline class, Study material uploaded on Google site
2 nd week of Nov'23	Structural organization (primary, secondary, tertiary, quaternary structure, Ramachandran plot, motif, domain).	Board work , Offline class, Study material uploaded on Google site
2 nd week of Dec'23	Biological Bonds: H-bond, Di-sulphide bond, ionic bond, vander-waal interaction, hydrophilic and hydrophobic bonds, covalent bond.	Board work , Offline class, Study material uploaded on Google site

Semester: III

Course Name: BIOCHEMISTRY

Course Code: BSCHZOOC303 (Practical)

Assigned Syllabus: Unit 1 - Unit 7

Expected time span	Topics Covered	Teaching method
Month of Dec 2023	Ninhydrin test for α -amino acids. Benedict's test for reducing sugars (Qualitative). Iodine test for starch.	Laboratory work , Practice
Month of Jan 2024	Determination of acid value of oil. Determination of the activity of enzyme(salivary amylase)- Effect of temperature, time	Laboratory work , Practice
Month of Jan 2024	Group discussion or Seminar presentation	Power Point presentation by students

Curriculum / Teaching plan for Odd Semester of Academic Year 2022-23

Name of the Teacher: Mr. Raja Mukherjee

Discipline: Zoology

Semester: I

Course Name: Systematics and Diversity of Life: Protists To Chordates

Course code: BSCHZOOC101

Assigned Syllabus: Unit 2: Cnidaria

Assigned class: One Class per week.

Expected time span	Topics Covered	Teaching method
3 rd week of Sep 2023	Basic concepts on Cnidaria	Board work , Offline class, Study material uploaded on Google site
2 nd week of Nov 2023	Characters of Cnidaria Classification of Cnidaria	Board work , Offline class, Study material uploaded on Google site
3 rd & 4 th week of Nov 2023	Classification of Cnidaria	Chalk and board, Hard Copy Study material provided
3 rd week of Dec 2023	Polymorphism in Cnidaria	Chalk and board, Power point presentation, Hard Copy Study material provided
1 st week of Jan 2024	Corals and Coral reefs	Chalk and board, Hard Copy Study material provided

Curriculum / Teaching plan for Even Semester of Academic Year 2020-21

Semester: VI

Course Name: 1. APPLIED ZOOLOGY

Course code: 1. BSCHZOOC602

Assigned Syllabus:

1. UNIT II: Apiculture, Lac culture and Sericulture- Lac culture

Assigned class: One Class per week

Expected time span	Topics Covered	Teaching method
2 nd week of April'24	Lac insect and its life cycle.	Board work , Offline class, Hard copy Study material provided
3 rd week of April'24	Cultivation of lac insect Host Plants, Processing & Uses of Lac	Board work , Offline class, Hard copy Study material provided
3 rd week of May'23	Lac Enemies	online class, Soft copy Study material provided

Curriculum / Teaching plan for Even Semester of Academic Year 2021-22

Semester: IV

CURRICULUM/TEACHING PLAN

CURRICULUM/TEACHING PLAN FOR ODD SEMESTER 2023-2024

1ST SEMESTER

COURSE NAME: Systematics & Diversity of Life - Protists to Chordates (CC-1)

COURSE CODE: BSCHZOOMJ101

ASSIGNED SYLLABUS:

Unit II: Diversity in Protists and acoelomate metazoan

Unit III: Diversity in Pseudocoelomate and Coelomate

Unit IV: Diversity in Protochordates and Chordates

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	<ul style="list-style-type: none">MJC1(HONS): Unit 2: Special features of Sponges	Chalk, PPT lectures, PDF lectures, online and offline video lectures
3rd week Dec 2023	<ul style="list-style-type: none">Unit 2: Structural diversity in sponges.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week Jan 2024	<ul style="list-style-type: none">Unit 3: Basic organization and diversity in Annelids.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week Jan 2024	<ul style="list-style-type: none">Unit 4: Cyclostomes, their evolutionary status and affinities	Chalk, PPT lectures, PDF lectures, online and offline video lectures

3RD SEMESTER

COURSE NAME: Genetics (CC-6)

COURSE CODE: BBSCHZOO302

ASSIGNED SYLLABUS:

UNIT II: The recombination and interaction of genes

UNIT III: Regulation of gene expression, regulation and mapping

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	UNIT II: The recombination and interaction of genes	Chalk, PPT lectures, PDF lectures, online and offline video lectures

	<ul style="list-style-type: none"> Sex-Determination: Sex Chromosomes and sex-linkage: XX/XO XX/XY, ZZ/ZW and haploidy/diploidy types 	
2nd & 3rd week Jan 2024	UNIT II: The recombination and interaction of genes <ul style="list-style-type: none"> Dosage Compensation in Drosophila and Man. Structural and numerical alterations of chromosomes. 	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week Jan 2024	UNIT III: Regulation of gene expression, regulation and mapping <ul style="list-style-type: none"> Regulation and mapping 	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	UNIT III: Regulation of gene expression, regulation and mapping <ul style="list-style-type: none"> Regulation of Gene expression 	Chalk, PPT lectures, PDF lectures, online and offline video lectures

5TH SEMESTER

COURSE NAME: Genetic Engineering & Biotechnology

COURSE CODE: BSCHZOODSE501

ASSIGNED SYLLABUS: DSEC I: Unit III: Recent advances in gene technology

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	<ul style="list-style-type: none"> Transgenic animals; application & ethics 	Chalk, PPT lectures, PDF lectures, online and offline video lectures
3rd week Dec 2023	<ul style="list-style-type: none"> Mechanisms of gene technology; RE, Cloning, Transformation 	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week Jan 2024	<ul style="list-style-type: none"> Fundamental ideas on recent trends in gene technology: Gene targeting, Knock in, knock-out 	Chalk, PPT lectures, PDF lectures, online and offline video lectures

4th week Jan 2024	<ul style="list-style-type: none"> Targeted genome editing: ZFNs, TALENs, CRISPRs-CAS9, RNAi technology 	Chalk, PPT lectures, PDF lectures, online and offline video lectures
-------------------	--	--

CURRICULUM/TEACHING PLAN FOR EVEN SEMESTER 2023-2024

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR ZARQUA JAMAL

2ND SEMESTER

COURSE NAME: Cell Biology and Histology (CC-4)

COURSE CODE: BSCHZOOC202

ASSIGNED SYLLABUS:

Unit II: Cell membrane and transport mechanism

UNIT IV: Structural and functional significance of animal tissues.

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2023	Unit II: Cell membrane and transport mechanism Junctional complexes, microvilli, desmosomes and plasmodesmata. Transport across membrane: diffusion and osmosis. Active and passivetransport, endocytosis and exocytosis.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2023	UNIT IV: Structural and functional significance of animal tissues. 1. Introduction to tissues. 2. Epithelial tissue : Types, structure and characteristics, Surface modifications (cilia, villi, micro-villi) ; Basement membrane: structure and characteristics ; Exocrine and endocrine glands: types and structure. 3. Connective tissue : Structure and function of loose, dense and adipose tissue ; Cartilage and bone: classification, and ultra-structure ; Blood: plasma, blood cells, lymph– their structural and functional	Chalk, PPT lectures, PDF lectures, online and offline video lectures

	details ; Structure and function of spleen.	
4th week May 2023	UNIT IV: 4. Muscular tissue : ultrastructure of smooth, skeletal and cardiac muscles ; Muscle-tendon attachment. 5. Nervous tissue : Structure and classification of neurons ; Types of supporting (glial) cells and their function ; Types of sensory nerve endings ; Membranes of the brain and spinal cord.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

4TH SEMESTER

COURSE NAME: Behaviour and Chronobiology (CC-8)

COURSE CODE: BSCHZOOC401

ASSIGNED SYLLABUS:

UNIT IV: Genetic, Neural, and Hormonal regulation of behavior

COURSE NAME: Molecular Biology (CC-10)

COURSE CODE: BSCHZOOC403

ASSIGNED SYLLABUS:

Unit -1: Central dogma; Genome and Nucleic acid properties

ASSIGNED CLASSES: 3 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2023	CC8(HONS): UNIT IV: Genetic, Neural, and Hormonal regulation of behavior 1. Genetic basis of behaviour. 2. Neural Regulation of behaviour: kineses, taxes, simple reflexes. 3. Sensory processing: toad prey capture, sound localization (owls), echolocation (bats). 4. Hormonal control in Biological clocks: Advantages of biological rhythms. Circadian and circannual rhythms. Photoperiodism,	Chalk, PPT lectures, PDF lectures, online and offline video lectures

	tidal, solar and lunar rhythms, Jet-lag, entrainments. Biological oscillation: the concept of Average, amplitude, phase and period, Role of melatonin.	
2nd & 3rd week May 2023	CC9 (HONS): Unit 4: 2. Evidences of Evolution, Molecular clock, Neutral theory. 5. Product of evolution: Adaptive radiation/macroevolution (Darwin finches, marsupials, Red Queen Hypothesis), Phyletic gradualism and punctuated equilibrium. 7. Human evolution: Trend, major hominids.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2023	CC10 (Hons): Unit I: Central dogma; Genome and Nucleic acid properties 2. Origin and evolution of Prokaryotic and Eukaryotic Genes and Genomes. Model Genomes (E. coli, Arabidopsis thaliana); Mitochondrial genome 3. DNA forms: Plasmid DNA, Genomic DNA and Repetitive DNA. 6. DNA methylation; DNA-Protein interaction, 7. DNA polymorphisms (SNPs, SSLP, RAPD, RFLP, VNTR, RAPD, AFLP). Unit II: 7. DNA repair, mismatch repair, single strand- and double strand DNA repair. 8. Inhibitors of DNA replication.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

6TH SEMESTER

COURSE NAME: Evolutionary Biology (CC-14)

COURSE CODE: BSCHZOOLC602

ASSIGNED SYLLABUS:

Unit 3: Evidences of Evolution

Unit 6: Product of Evolution

Unit 7: Recombination in Bacteria and Viruses.

Unit 8: Origin and evolution of man

ASSIGNED CLASSES: 3 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2023	CCXIII(HONS): Unit 6: Polygenic Inheritance.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2023	CCXIV(HONS): Unit 3: Evidences of Evolution: Fossil record (types of fossils, transitional forms, geological time scale, evolution of horse, Molecular (universality of genetic code and protein synthesising machinery, three domains of life, neutral theory of molecular evolution, molecular clock, example of globin gene family, rRNA/cyt c. Unit 8: Origin and evolution of man, Unique hominin characteristics contrasted with primate characteristics, primate phylogeny from <i>Dryopithecus</i> leading to <i>Homo sapiens</i> , molecular analysis of human origin.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2023	Unit 7: Recombination in Bacteria and Viruses.	Chalk, PPT lectures, PDF lectures, online and offline video lectures

Curriculum / Teaching plan for Odd Semester of Academic Year 2023-2024

Semester: I

Course Name: DIVERSITY OF NON-CHORDATE

Course code: BSCZOOMJ101

Assigned Syllabus: 1 . UNIT I: Principles of Animal Classification

- Definitions: Systematics, taxonomy, Hierarchy, taxonomic levels/types (alpha, beta, gamma, omega, cytotaxonomy, numerical taxonomy, and chemotaxonomy).

2 .UNIT II : Multicellularity and Origin of Metazoa

- Species concept: Biological, evolutionary.

Assigned class: 1 classes per week.

Expected time span	Topics Covered	Teaching method
1 st , 2 nd & 3 rd week Sep. 2023	<ul style="list-style-type: none">• Definitions: Systematics, taxonomy, Hierarchy, taxonomic levels/types (alpha, beta, gamma, omega, cytotaxonomy, numerical taxonomy, and chemotaxonomy).	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
2 nd & 3 rd week Nov. 2023	<ul style="list-style-type: none">• Species concept: Biological, evolutionary.	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room

Semester: III**Course Name:** COMPARATIVE ANATOMY AND PHYSIOLOGY OF CHORDATES**Course code:** BSCHZOOC301**Assigned Syllabus:** 1.UNIT-I: Structure and function of integument.

2.UNIT-III: Structure and function of respiratory system.

Assigned class: 2 classes per week.

Expected time span	Topics Covered	Teaching method
1 st , 2 nd & 3 rd week Sep. 2023	Integumentary system (Comparative Anatomy and functional significance): Integument from fishes to mammals: Scales of fishes and reptiles, Feather of birds, Epidermal glands from fish to mammals. Horn, hoof, claw, nail, hair.	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
2 nd & 4 th week Nov. 2023		
1 st , 2 nd , 3 rd & 4 th Dec. 2023	Types and structure of fish gill. Accessory respiratory organs in fishes. Transitional respiration in Dipnoans. Transition from water to air breathing: w.r.t. comparative anatomy and functional significance of lungs in amphibians, reptiles, birds and mammals. Breathing and gas exchange, gas transport, Hb and O ₂ dissociation,	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
1 st week of Jan. 2024		

Semester: V

Course Name: BIOTECHNIQUES / MICROBIOLOGY, PARASITOLOGY & IMMUNOLOGY

Course code: BSCHZOOC501 / BSCHZOOC502

Assigned Syllabus:

Unit 1:

- Microscopy: Introduction to Microscopy (Discovery, General structure).
- Definitions-Resolving Power, Limit of Resolution and Magnification, Numerical Aperture.
- Measurements (Micrometer), Drawings (Camera Lucida) and photomicrography [Imaging living cell and tissues (Wilson-walker,6Ed, p-151/Principle and Application)].

Unit 2 :

- Brief history of microbiology- germ theory of disease, discovery of penicillin.
- Diversity of microbes- viruses and bacteria.
- Host pathogen interaction: invasion, antigenic heterogeneity, toxins and enzymes secretions.
- Kinetics of bacterial growth and principles of staining techniques.

Assigned class: 2 classes per week.

Expected time span	Topics Covered	Teaching method
1st, 2 nd & 3 rd week Dec2023	<ul style="list-style-type: none">• Microscopy: Introduction to Microscopy (Discovery, General structure).• Definitions-Resolving Power, Limit of Resolution and Magnification, Numerical Aperture.• Measurements (Micrometer), Drawings (Camera Lucida) and photomicrography [Imaging living cell and tissues (Wilson-walker,6Ed, p-151/Principle and Application)].	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
2 nd , 3 rd & 4 th week Jan2024	<ul style="list-style-type: none">• Brief history of microbiology- germ theory of disease, discovery of penicillin.• Diversity of microbes- viruses and bacteria.• Host pathogen interaction: invasion, antigenic heterogeneity, toxins and enzymes secretions.• Kinetics of bacterial growth and principles of staining techniques.	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room

Curriculum / Teaching plan for Even Semester of Academic Year 2023-24

Semester: II

Course Name: DIVERSITY OF CHORDATES

Course code: BSCZOOMJ201

Assigned Syllabus:

UNIT II: Ectotherms: Pisces, Amphibia and Reptilia

- Affinities of lung fishes
- Type study (respiratory system, circulatory system, urinogenital system):
Duttaphrynus, Calotes.

UNIT III: Endotherms: Aves and Mammalia

- Type Study: Columba, Cavia

Assigned class: 1 classes per week.

Expected time span	Topics Covered	Teaching method
1 st , 2 nd , 3 rd & 4 th week of Mar.2024	<ul style="list-style-type: none">• Affinities of lung fishes	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
1 st , 2 nd , 3 rd & 4 th week of April 2024.	<ul style="list-style-type: none">• Type study (respiratory system, circulatory system, urinogenital system): Duttaphrynus, Calotes.	
	<ul style="list-style-type: none">• Type Study: Columba, Cavia	

Course Name: Instrumentation and Clinical Diagnosis
Course Code: BSCZOOSE201

Assigned Syllabus:

UNIT I : Principles of Microscopy

- Definitions-Resolving Power, Limit of Resolution and Magnification, Numerical Aperture
- Types of Light microscopes; bright field, dark-field

Assigned class: 1 classes per week.

Expected time span	Topics Covered	Teaching method
1 st , 2 nd , 3 rd & 4 th week of Mar.2024	<ul style="list-style-type: none"> • Definitions-Resolving Power, Limit of Resolution and Magnification, Numerical Aperture • Types of Light microscopes; bright field, dark-field 	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
1 st ,2 nd ,3 rd & 4 th week of April 2024.		

Semester: IV

Course Name: 1.BEHAVIOUR AND CHRONOBIOLOGY
 2. DEVELOPMENTAL BIOLOGY& EVOLUTION

Course code: 1. BSCHZOO401 2. BSCHZOO402

Assigned Syllabus:

1. BEHAVIOUR AND CHRONOBIOLOGY

- UNIT I: Introduction and patterns of Behaviour.
- UNIT II: Innate behavior; Evolution of reproductive behavior
- Unit III: Reproductive behavior and socio-biology

2. DEVELOPMENTAL BIOLOGY & EVOLUTION

- UNIT IV: Understanding evolution through natural selection ,adaptation and optimal models trade offs

Assigned class: 2 classes per week.

Expected time span	Topics Covered	Teaching method
1 st ,2 nd , 3 rd & 4 th week of March 2024	1. Innate behaviour: Communication(primates,bees and ants).Ritualization. Behaviour of solving ecological obstacles through Decision making 2. Motor Output: leech swimming/crawling, escape behavior,cricket vocalizations. 3. Sensorimotor integration: electric fish, bird song instinct and motivation. territorial behaviour,schooling behaviour. 4. Displacement activities, Habitat selection, food selection and foraging behavior in African ungulates	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
1 st , 2 nd , 3 rd & 4 th week of April 2024	1. Animal behaviour.Scope and importance of study. 3.Methods and recording of a behavior 4. Types of stimuli invoking response:internal and external cues. 7. Allelomimetic and maladaptive(abnormal) behaviour	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
1 st , 2 nd & 3 rd week of May 2024	Sociobiology: Social and cultural transmission of Behaviour;Aggregation,Group selection; Social organization (e.g., Honey bee, Naked Mole Rat and Monkey). Elements of Socio-biology: Selfishness, cooperation, altruism, kinship and inclusive fitness.	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room
4 th week of May 2024	Understanding evolution through natural selection, adaptation and optimal models trade offs	Chalk, Board work, Study material uploaded on WhatsApp Group and Google Class Room

Semester: VI

Course Name: Biostatistics & Bioinformatics

Course code: BSCHZOOC601

Assigned Syllabus:

UNIT I: Data collection, distribution, presentation, authentication and analysis

- Collection and classification of data.
- Graphical representation of data: Pie chart, Bar diagram, Histogram, Frequency polygon.
- Cumulative frequency curve (Ogive), Box plot.
- Probability theory: Binomial distribution, Poisson distributions.
- Measures of central tendency: Arithmetic Mean, Median, Mode.
- Measures of dispersion: Variance, Standard deviation and Standard error, Concept of Coefficient of variation.

UNIT II: Correlation, regression, analysis of variance etc.

- Correlation: Types of correlation, Calculation of correlation in continuous data and ordinal data.
- Regression: Linear regression, regression coefficient.
- Analysis of variance (ANOVA): One way, post-hoc tests.

Assigned class: 2 classes per week.

Expected time span	Topics Covered	Teaching method
1st, 2nd, 3 rd & 4 th week of April, 2024	<ul style="list-style-type: none">• Collection and classification of data.• Graphical representation of data: Pie chart, Bar diagram, Histogram, Frequency polygon.• Cumulative frequency curve (Ogive), Box plot.• Probability theory: Binomial distribution, Poisson distributions.• Measures of central tendency: Arithmetic Mean, Median, Mode.• Measures of dispersion: Variance, Standard deviation and Standard error, Concept of Coefficient of variation.	Chalk, Board work, Study material uploaded on WhatsAppGroup
1 st & 2 nd week of May 2024	<ul style="list-style-type: none">• Correlation: Types of correlation, Calculation of correlation in continuous data and ordinal data.• Regression: Linear regression, regression coefficient.• Analysis of variance (ANOVA): One way, post-hoc tests.	Chalk, Board work, Study material uploaded on WhatsAppGroup

CURRICULUM/TEACHING PLAN OF DR KOUSHIKKUMAR MANDAL

**CURRICULUM/TEACHING PLAN FOR ODD SEMESTER 2023-2024 NAME
OF THE TEACHER/COURSE INSTRUCTOR: DR KOUSHIK KUMAR
MANDAL 1ST SEMESTER NEP2020**

COURSE NAME: Diversity of Non-chordates MJC-1

COURSE CODE: BSCZOOMJ101

ASSIGNED SYLLABUS: Unit II1: Diversity in Protists, Acoelomate and
Pseudocoelomate **ASSIGNED CLASSES:** 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Porifera : Classification up to classes; Canal system; Structural diversity of skeletal organization.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
3rd week Dec 2024	. Classification and characteristics of Nematoda up to classe	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week Jan 2024	Type study: Ascaris	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week Jan 2024	Communicable bacterial diseases (causative agent, symptoms, precaution and remedy)- tuberculosis, tetanus, plague, diphtheria	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Diversity of Non-chordates (MNC-1)

COURSE CODE: BSCZOOMN101

ASSIGNED SYLLABUS: Unit II Diversity in and Coelomate Non chordates and hemichordates **ASSIGNED CLASSES:** 2 CLASSES/
WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Type study: Periplaneta	Chalk, PPT lectures, PDF lectures, online and offline

	Classification of arthropods up to classes	video lectures
2nd, 3rd & 4th week Jan 2024	Basic organization and diversity (classification up to classes) in Molluscs. 4. Basic organization and classification (up to classes) of Echinoderms; their affinity to Chordates	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Basic organization and diversity (classification up to classes) in Annelids	Chalk, PPT lectures, PDF lectures, online and offline video lectures

3RD SEMESTER

COURSE NAME: Comparative anatomy and physiology of chordates

COURSE CODE: BBSCHZOOC301

ASSIGNED SYLLABUS: UNIT III Structure and function

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Circulatory system: aortic arch	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd, 3rd & 4th week Jan 2024	Heart , ABO blood group, Blood coagulation	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	Nervous system, Reproductive system	Chalk, PPT lectures, PDF lectures, online and offline video lectures

--	--	--

COURSE NAME: Biochemistry (CC-7)

COURSE CODE: BSCHZOOC303

ASSIGNED SYLLABUS: UNIT I: Introduction to Biochemistry and biology of Carbohydrates

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	ETS, GLYCOLYSIS	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd, 3rd & 4th week Jan 2024	LIPIDS	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	FATTY ACIDS	Chalk, PPT lectures, PDF lectures, online and offline video lectures

5TH SEMESTER

COURSE NAME: BIOTECHNIQUES (CC-11)

COURSE CODE: BSCHZOOLC502

ASSIGNED SYLLABUS: UNIT I: MICROSCOPY ASSIGNED

CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
--------------------	----------------	-----------------

1st, 2nd & 3rd week Dec 2023	MICROSCOPY	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd, 3rd & 4th week Jan 2024	TYPES OF LIGHT MICROSCOPES,	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week Feb 2024	TISSUE PROCESSING SEM	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Molecular Biology (CC-12)
COURSE CODE: BSCHZOLC501 **ASSIGNED SYLLABUS:** Unit1 **ASSIGNED CLASSES:** 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	VIRAL DISEASES, FUNGAL DISEASES	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Developmental Biology (CC-12)
COURSE CODE: BSCHZOLC502
ASSIGNED SYLLABUS: Practical
ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
2nd, 3rd & 4th week Jan 2024	Staining and identification of gram positive and gram negative bacteria, ESR	Practical

CURRICULUM/TEACHING PLAN FOR EVEN SEMESTER 2023-2024
NAME OF THE TEACHER/COURSE INSTRUCTOR: DR KOUSHIK KUMAR
MANDAL 2ND SEMESTER NEP2020 MAJOR
COURSE NAME: Diversity of Chordates MJC-2
COURSE CODE: BSCZOOMJ201
ASSIGNED SYLLABUS: Unit 11
ASSIGNED CLASSES: 1 Ectotherms: Pisces, Amphibia and Reptilia CLASS/WEEK

Expected time span	Topics Covered	Teaching method
--------------------	----------------	-----------------

1st week May 2024	General characteristics and classification of Amphibia up to living order; Parental care in Amphibia	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	Type study (respiratory system, circulatory system, urinogenital system):	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	Labeo, circulatory system, urinogenital system): Labeo,	Chalk, PPT lectures, PDF lectures, online and offline video lectures

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR KOUSHIK KUMAR
MANDAL

2ND SEMESTER NEP2020 Minor

COURSE NAME: Diversity of Chordates MNC-2

COURSE CODE: BSCZOOMN201

ASSIGNED SYLLABUS: nit 3: Endotherms: Aves and Mammalia **ASSIGNED CLASSES:**
1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Echolocation in chiropterans Ruminant stomach	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	Characteristics and classification of mammalian groups (up to orders	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	General characteristics and classification of Amphibia up to living order; Parental care in Amphib	Chalk, PPT lectures, PDF lectures, online and offline video lectures

4TH SEMESTER

COURSE NAME: Molecular Biology (CC-10)

COURSE CODE: BSCHZOOC403

ASSIGNED SYLLABUS: Unit 11 DNA replication **ASSIGNED CLASSES:** 1
CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	DNA replication.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
2nd & 3rd week May 2024	RNA transcription.	Chalk, PPT lectures, PDF lectures, online and offline video lectures
4th week May 2024	Structure and Topology of DNA (triple helix, G-quadruplex, supercoiled forms, linking number),	Chalk, PPT lectures, PDF lectures, online and offline video lectures
1st, 2nd, 3rd & 4th week June 2024	Genetic code	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Developmental Biology & Evolution (CC-9)

COURSE CODE:BSCHZOOC402

ASSIGNED SYLLABUS: UNIT I: How does reproduction start, commence and modify in living system?

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd, 3rd & 4th week June 2024	Regeneration	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME: Developmental Biology & Evolution (CC-9)

COURSE CODE:BSCHZOOC402

ASSIGNED SYLLABUS: Group discussion or Seminar presentation (Practical)

ASSIGNED CLASSES: 2 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
Months of May, Jun, July 2024	Group discussion or Seminar presentation	Student presentation using ICT

6TH SEMESTER

COURSE NAME: Mammalian physiology (CC14)

COURSE CODE:BSCHZOOLC602

ASSIGNED SYLLABUS: Unit 111

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
Month of May 2024	Vision	Chalk, PPT lectures, PDF lectures, online and offline video lectures
Month of June 2024	Hearing :Structure of ear	Chalk, PPT lectures, PDF lectures, online and offline video lectures

COURSE NAME Applied Zoology (CC-14)

COURSE CODE:BSCHZOOLC602

ASSIGNED SYLLABUS: Unit 1:Aquaculture:

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
Month of July 2024	Prawan culture	Chalk, PPT lectures, PDF lectures, online and offline video lectures

CURRICULUM/TEACHING PLAN OF DR ATRAYEE DEY

CURRICULUM/TEACHING PLAN FOR ODD SEMESTER 2023-2024

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR ATRAYEE DEY

COURSE NAME: Systematics & Diversity of Life - Protists to Chordates (CC-1)

COURSE CODE: BSCHZOOOC101

ASSIGNED SYLLABUS: Unit I: Principles and practice of taxonomy

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st, 2nd & 3rd week Dec 2023	Origin of Metazoa, Diploblastic and Triploblastic organization, Protostome and Deuterostome	Chalk-Duster, Text Books, Discussion
2nd, 3rd & 4th week Jan 2024	Concept of Symmetry, Coelom, Classification of chordates, Concept of Vertebrate; invertebrate, Gnathostome, Agnathan, Protochordates, Hemichordate, Urochordata, Cephalochordate	Chalk-Duster, Text Books, Discussion, PPT Lectures
1st, 2nd, 3rd & 4th week Feb 2024	Adaptive Radiation, Arthropods, Crustacea, Myriapods, chelicerates, Insects	Chalk-Duster, Text Books, Discussion, PPT Lectures, videos

COURSE NAME: Ecology

COURSE CODE: BSCHZOOOC102

ASSIGNED SYLLABUS: Unit II: Population Ecology

ASSIGNED CLASSES: 3 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Population definition, concept, regulation, density dependent and independent population regulation, carrying Capacity	Chalk-Duster, Text Books, Discussion
3rd week Dec 2023	Natality, Mortality, K-selected species, r-selected species, Fecundity, Fertility, demes, interdemec extinction	Chalk-Duster, Text Books, Discussion, PPT-lectures
2nd & 3rd week Jan 2024	Meta Population, Human Population Growth	Chalk-Duster, Text Books, Discussion, PPT-lectures
4th week Jan 2024	Human health and welfare	PPT lectures, Discussion

3RD SEMESTER**COURSE NAME:** Genetics (CC-6)**COURSE CODE:** BBSCHZOOC302**ASSIGNED SYLLABUS:** UNIT I: Concept of Genes and Genomics**ASSIGNED CLASSES:** 1 CLASSE /WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Genetics: Scope and importance	Chalk-Duster, Text Books, Discussion
3rd week Dec 2023	Extrachromosomal Inheritance, Mitochondrial Mutation	Chalk-Duster, Text Books, Discussion, PPT-lectures
2nd & 3rd week Jan 2024	Meta Population, Human Population Growth	Chalk-Duster, Text Books, Discussion, PPT-lectures
4th week Jan 2024	Human health and welfare	PPT lectures, Discussion

3RD SEMESTER**COURSE NAME:** SEC-1 (BEEKEEPING)**COURSE CODE:** BBSCHZOOSE 301**ASSIGNED SYLLABUS:** UNIT I: Introduction to Apiculture

UNIT 4: Entrepreneurship in Beekeeping Industry

ASSIGNED CLASSES: 1 CLASSE /WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	History of Bees and Beekeeping, Systematics, Bee species	Chalk-Duster, Text Books, Discussion
3rd week Dec 2023	Bee pasturage, Caste system, Division,	Chalk-Duster, Text Books, Discussion, PPT-lectures
2nd & 3rd week Jan 2024	Bee morphology, Foraging, Colony Organization, Polymorphism, Bee products	Chalk-Duster, Text Books, Discussion, PPT-lectures
4th week Jan 2024	Entrepreneurship, marketing	PPT lectures, Discussion

3RD SEMESTER**COURSE NAME:** Comparative Anatomy and Physiology of Chordates (CC-5)**COURSE CODE:** BBSCHZOOC302**ASSIGNED SYLLABUS:** UNIT I: Endocrine Glands

UNIT III: Excretory System

ASSIGNED CLASSES: 2 CLASSES /WEEK

Expected time span	Topics Covered	Teaching method
--------------------	----------------	-----------------

1st & 2nd week Dec 2023	Comparative Structure and Function of Pituitary, thyroid gland	Chalk-Duster, Text Books, Discussion, PPT-lectures
3rd week Dec 2023	Mechanism of Hormone Action	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
2nd & 3rd week Jan 2024	Role of ADH, RAAS in excretion, Osmoregulation	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
4th week Jan 2024	Structure of Nephron, counter Current Mechanism	Chalk-Duster, Text Books, Discussion, PPT-lectures, video

5TH SEMESTER

COURSE NAME: Biotechniques (CC-11)

COURSE CODE: BSCHZOOLC501

ASSIGNED SYLLABUS: UNIT II: Tools and Techniques in Biochemistry and Physiology

UNIT III: Tools and Techniques in Endocrinology and Immunology

ASSIGNED CLASSES: 3 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Physiological Saline, Normality, Molarity	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
3rd week Dec 2023	Buffers, Tissue processing	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
2nd & 3rd week Jan 2024	Monoclonal and Polyclonal Antibody	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
4th week Jan 2024	Antigen, Antibody	Chalk-Duster, Text Books, Discussion, PPT-lectures, video

5TH SEMESTER

COURSE NAME: Immunology (CC-12)

COURSE CODE: BSCHZOOLC502

ASSIGNED SYLLABUS: UNIT I: Concept of Genes and Genomics

ASSIGNED CLASSES: 3 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Role of B and T cell in Immunology	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
3rd week Dec 2023	Autoimmune Disorders	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
2nd & 3rd week Jan 2024	Hybridoma technology	Chalk-Duster, Text Books, Discussion, PPT-lectures, video

4th week Jan 2024	T cell receptor, B cell receptor	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
-------------------	----------------------------------	---

5TH SEMESTER

COURSE NAME: Live stock Management and Animal Husbandry

COURSE CODE: DSEC2

ASSIGNED SYLLABUS: UNIT I: Concept of Genes and Genomics

ASSIGNED CLASSES: 3 CLASSES/WEEK

Expected time span	Topics Covered	Teaching method
1st & 2nd week Dec 2023	Scope of Livestock industry, Livestock Enterprise	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
3rd week Dec 2023	Animal Products, Beef Pork	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
2nd & 3rd week Jan 2024	Artificial Insemination	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
4th week Jan 2024	Advanced Reproduction	Chalk-Duster, Text Books, Discussion, PPT-lectures, video

CURRICULUM/TEACHING PLAN FOR EVEN SEMESTER 2023-2024

NAME OF THE TEACHER/COURSE INSTRUCTOR: DR ATRAYEE DEY

2ND SEMESTER

COURSE NAME: Comparative Anatomy and Physiology of Non chordates (CC-3)

COURSE CODE: BSCHZOOC201

ASSIGNED SYLLABUS: UNIT II: Diversity of Respiratory, Locomotory, and Excretory systems

ASSIGNED CLASSES: 1 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Cilia, Flagella, Pseudopodia, Tentacle, Seta	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
2nd & 3rd week May 2024	Mode of Locomotion	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
4th week May 2024	Skeletal Elements in non chordates	Chalk-Duster, Text Books, Discussion, PPT-lectures, video

4TH SEMESTER

COURSE NAME: Developmental Biology and Evolution (CC-9)

COURSE CODE: BSCHZOOC402

ASSIGNED SYLLABUS: Unit -II: Development affects organization of phenotypes **ASSIGNED CLASSES:** 2 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Cell-Cell Interaction	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
2nd & 3rd week May 2024	Organogenesis	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
4th week May 2024	Stem cell	Chalk-Duster, Text Books, Discussion, PPT-lectures, video

6TH SEMESTER

COURSE NAME: Principles of Genetics (CC-13)

COURSE CODE: BSCHZOOLC601

ASSIGNED SYLLABUS: Unit 5, Unit7, Unit 9

ASSIGNED CLASSES: 2 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Extra Chromosomal Inheritance	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
2nd & 3rd week May 2024	Extinction background and mass extinction	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
4th week May 2024	Phylogenetic tree	Chalk-Duster, Text Books, Discussion, PPT-lectures, video

COURSE NAME: Aquatic Biology

COURSE CODE: DSE4

ASSIGNED SYLLABUS: Unit 3, Unit 4

ASSIGNED CLASSES: 2 CLASS/WEEK

Expected time span	Topics Covered	Teaching method
1st week May 2024	Marine Biology	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
2nd & 3rd week May 2024	Marine Biology	Chalk-Duster, Text Books, Discussion, PPT-lectures, video
4th week May 2024	Management of Aquatic Resource	Chalk-Duster, Text Books, Discussion, PPT-lectures, video

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF PHYSICS
TEACHING PLAN
DR. P. GHOSH

ACADEMIC YEAR: 2023-24	SEMESTER: IV
COURSE: UG	COURSE NAME: 1. Digital Systems and Applications
SUBJECT CODE: BSCHPHSC	SUBJECT TYPE: THEORY
Paper- CC- X	WORKLOAD: 2 Hrs /Week = 2Hrs/week

Digital Systems and Applications (CC - X)

Lecture Number	Unit	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
L1 - L2	4	Dr. Parimal Ghosh	DPC -1: MUX & DEMUX	Feb 2024	2 nd Week	PPT/CHALK & BOARD
L3 - L4			DPC -2: ENCODER & DECODER		3 rd Week	
L5 - L6			DPC -3: QUESTION & ANSWERS		4 th Week	
L7 - L8	5		Circuits 1: Introduction to Arithmetic Circuits	March 2024	2 nd week	
L9 - L10			Circuits 2: Addition & Subtraction HA & HS, FA & FS		3 rd Week	
L11 - L12			Circuits 3: 4-bit Adder/Subtractor		4 th Week	
L13 - L14			Circuits 4: Flip -Flop		5 th Week	
L15 - L16	6		Circuits 4: Problems and Solutions	April 2024	1 st Week	
L17 - L18			Computer Organization 1: Input / Output Devices		2 nd Week	
L19 - L20			Computer Organization 2: Memory - ROM & RAM		3 rd Week	
L21 - L22			Computer Organization 3: Memory Organization		4 th Week	
L23 - L24			Tutorial & Remedial		5 th Week	

ACADEMIC YEAR: 2023-24				SEMESTER: III		
COURSE: UG				COURSE NAME: Analog Systems and Applications		
SUBJECT CODE: BSCHPHSC303				SUBJECT TYPE: THEORY+LAB		
Paper- CORE 7				WORKLOAD: 4 Hrs/Week		
Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	CC_7.5.1	Dr Parimal Ghosh	Introduction to Amplifiers	Sept, 2023	3 rd week	Chalk & Board
02	CC_7.5.2		Amplifiers: Transistor Biasing and Stabilization Circuits.		3 rd week	Chalk & Board
03	CC_7.5.3		Fixed Bias and Voltage Divider Bias: Determination of Stability Factors		4 th week	Chalk & Board
04	CC_7.5.4		Fixed Bias and Voltage Divider Bias: Bias Stabilizations		4 th week	Chalk & Board
05	CC_7.5.5		Fixed Bias and Voltage Divider Bias: Determination of Q - Point	Oct 2023	1 st week	Chalk & Board
06	CC_7.5.6		Transistor as 2-port Network. h-parameter Equivalent Circuit. Analysis of a single-stage CE amplifier using Hybrid Model.		1 st week	Chalk & Board
07	CC_7.5.7		A C analysis of Transistor Amplifier using h - parameter		2 nd week	Chalk & Board
08	CC_7.5.8		Class A, B & C Amplifiers. Frequency response of a CE amplifier.		2 nd week	Chalk & Board
09	CC_7.5.9		Coupled Amplifier: Two Stage RC-coupled amplifier		3 rd week	PPT
10	CC_7.5.10		Feedback in Amplifiers: Effects of Feedback on Input Impedance, Output Impedance, Gain, Stability, Distortion and Noise.		3 rd week	PPT
11	CC_7.5.11		Sinusoidal Oscillators: Barkhausen's Criterion		November, 2023	1 st week

			for self-sustained oscillations.			
12	CC_7.5.12		RC Phase shift oscillator, determination of Frequency. Hartley & Colpitts oscillators.		1 st week	PPT
13	CC_7.5.13		Operational Amplifiers: Characteristics of an Ideal and Practical Op-Amp. (IC 741)		2 nd week	PPT
14	CC_7.5.14		Open-loop and Closed-loop Gain. Frequency Response. CMRR. Slew Rate and concept of Virtual ground.		2 nd week	PPT
15	CC_7.5.15		Linear Applications of Op-Amps: Inverting and non-inverting amplifiers, Adder & Subtractor		3 rd week	PPT
16	CC_7.5.16		Linear Applications of Op-Amps (Contd): Differentiator, Integrator, Log amplifier,		3 rd week	PPT
17	CC_7.5.17		Linear Applications of Op-Amps (Contd): Zero crossing detector: Wein Bridge oscillator		4 th week	PPT
18	CC_7.5.18		Non-linear applications of OPAMP: inverting and non-inverting comparators, Schmidt triggers.		4 th week	PPT
19	CC_7.5.19		D/A Conversion: Resistive network (Weighted and R-2R Ladder). Accuracy and Resolution.	December, 2023	1 st week	PPT
20	CC_7.5.20		A/D Conversion (successive approximation)		1 st week	PPT

DR. K. MUKHERJEE

ACADEMIC YEAR: 2023-24	SEMESTER: I
COURSE: UG	COURSE NAME: MECHANICS AND GENERAL PROPERTIES OF MATTER
SUBJECT CODE: BSCPHYMJ101	SUBJECT TYPE: THEORY

Course TYPE: MJC-1			WORKLOAD: 2 Hrs/Week				
Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid	
01	NA	Dr. Kousik Mukherjee	Gravitation: Kepler's laws, Newton's law of gravitation	Sept 2023	1 st Week	PPT	
02			Motion of satellites in circular orbit. Geosynchronous orbits		2 nd Week		
03			General properties of matter: Elasticity; Relation between different elastic moduli		3 rd Week		
04			Poisson's ratio, Torsional pendulum		4 th Week		
05			Bending of beam		1 st week		
06	NA		Surface Tension: Angle of contact, surface tension and surface energy	Oct 2023	2 nd week		
07					Pressure difference across curved surface example		3 rd Week
08					Excess pressure inside spherical liquid drop		4 th Week
09	NA		Viscosity: Streamline flow, turbulent flow	November 2023	1 st Week		
10	NA		Equation of continuity, Determination of coefficient of viscosity by Poiseuille's method		2 nd Week		
11			Stoke's method		3 rd Week		
12			Bernoulli's theorem and its applications		4 th Week		
13			Class Test	December 2023	1 st Week		
14			Remedial		2 nd Week		
15			Remedial		3 rd Week		

ACADEMIC YEAR: 2023-24		SEMESTER: III				
COURSE: UG		COURSE NAME:				
		1. Thermal Physics 2. Special Theory of Relativity				
SUBJECT CODE: BSCHPHSC, BSCHPHSC		SUBJECT TYPE: THEORY				
Paper- CC and GE		WORKLOAD: 2 Hrs/Week+ 4 Hrs/ week = 6Hrs/week				
Paper: Thermal Physics						
01-02	GE	Dr. Kousik Mukherjee	Basic of Statistical mechanics, Why Statistical Mechanics	Sept 2023	1st Week	PPT
03-06			Entropy and Thermodynamic Probability. Maxwell Boltzman Law		2 nd Week	
07-08			Quantum Statistics: Spin Statistics Connection, Symmetric and Antisymmetric wave function		3 rd Week	
					4 th Week	
09-10			F D Statistics, Electron gas, Fermi level	Oct 2023	1 st Week	
11-12			B E Statistics , B E Condensation		2 nd Week	
13		Numerical problems		3 rd Week		

14			Tutorial		4 th Week		
15			Remedial				
III SEM							
Paper: Special Theory of Relativity							
01-02	CC	Dr. Kousik Mukherjee	Special Theory of Relativity: Gallilean Transformation(GT),	Sept 2023	1 st Week	PPT	
03-06	CC		Michael Moreley Experiment, Postulates, Constancy of speed of light,		2 nd Week		
07-08			Lorentz Transformation(LT), Length contraction ,		3 rd Week		
09-10			Time dilation, Relativistic velocity addition, Mass variation		4 th Week		
11-12			Force and KE in relativity,	Oct 2023	1 st Week		
13			momentum transformation,		2 nd Week		
14			Relativistic Electrodynamics I		3 rd Week		
15	Inconsistency of GT with Maxwell equations		4 th Week				
16			Transformation of charge density and current density	November 2023	1 st Week		PPT
			Relativistic Electrodynamics II: LT and Maxwell's equations,		2 nd Week		
		Variations of E and B	3 rd Week				
		Numerical problems	4 th Week				

ACADEMIC YEAR: 2023-24	SEMESTER: IV and VI
COURSE: UG	COURSE NAME: 1. Digital Systems and Applications 2. Applied Optics
SUBJECT CODE: BSCHPHSC, BSCHPHSC	SUBJECT TYPE: THEORY
Paper- CC-	WORKLOAD: 2 Hrs/Week+ 4 Hrs/ week = 6Hrs/week

Digital Systems and Applications (CC)

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01			Boolean Algebra1: Number systems		1 st Week	
02			Boolean Algebra2: Conversion		2 nd Week	

03	CC	Dr. Kousik Mukherjee	Boolean Algebra3: Complements	Feb 2024	3 rd Week	PPT/CHALK & BOARD	
04			Boolean Algebra4: Simplifications of Logic		4 th Week		
05			Digital Circuits 1: Logic gates	March 2024	1 st week		
06			Digital Circuits 2: Ha, FA, HS etc		2 nd week		
07	Digital Circuits 3: Complex circuits	3 rd Week					
08	Digital Circuits 4: Problems and Solutions	4 th Week					
09	CC-2.4.2	Dr. Kousik Mukherjee	Integrated Circuit1: IC and its characteristics	April 2024	1 st Week		
10			Integrated Circuit2: Designs of IC and fabrication		2 nd Week		
11			Integrated Circuit3: Different types of IC	3 rd Week			
12			Class Test/ Remedial	4 th Week			
13							
VI th SEM							
Paper: Applied Optics (DSE)							
01-02	DSE	Dr. Kousik Mukherjee	LED working Principles 1	Feb 2024	1 st Week	PPT/CHALK & BOARD	
03-06	DSE		LED working Principles 2		2 nd Week		
07-08			Lasers: Working and Applications 1	3 rd Week			
			Lasers: Working and Applications 2	4 th Week			
09-10			Photodetectors: Working Principles	March 2024	1 st Week		
11-12	Photodetectors: Characteristics		2 nd Week				
13	Holography		3 rd Week				
14	Tutorial		4 th Week				
15	Remedial						

MR. J K MAJHI: TEACHING PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: I
COURSE: UG	COURSE NAME: Mathematical Methods of Physics - I
SUBJECT CODE: BSCHPHSC1	SUBJECT TYPE: THEORY
Paper- CC-I	WORKLOAD: 4 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid	
01-02	CC-1.4	J K Majhi	<i>Ordinary Differential Equations:</i> Solution of second order linear differential equations with constant coefficients	Sep 2023	1 st Week	CHALK & BOARD	
03-04			Solution of second order linear differential equations with variable coefficients by Frobenius' method (singularity analysis not required)		2 nd Week		
05-06			Solution of Legendre and Hermite equations about $x=0$; Legendre, polynomials, orthonormality properties.		3 rd week		
07			Hermite polynomials, orthonormality properties.	Oct 2023	4 th Week		
01	<i>Partial Differential Equations:</i> Functions of several variables; Partial Derivatives; Partial Differential Equations.						
02-03	Partial Differential Equations in Physics; Solutions by the method of separation of variables; Simple examples:		November 2023	1 st Week			
04-05	Laplace's equation and its solution in Cartesian and spherical polar coordinate systems		Dec 23 2023	2 nd Week			
06-07	Laplace's equation and its solution in cylindrical (axially symmetric problems) polar ('infinite cylinder' problems) coordinate systems;			3 rd Week			
08-09			Diffusion equation and its solution	December 2023	4 th Week		CHALK & BOARD
10			Class Test	January 2024	1 st Week		

ACADEMIC YEAR: 2023-24	SEMESTER: I
COURSE: UG	COURSE NAME: Mechanics - GEC I
SUBJECT CODE: BSCHPHSGE101	SUBJECT TYPE: THEORY
Paper- GEC-I	WORKLOAD: 4 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01- 02	GEC-1	J K Majhi	Mechanics of a single particle: Velocity, acceleration of particle in Cartesian coordinates, plane polar coordinates	Sep 2023	1 st Week	CHALK & BOARD
03-04			Cartesian coordinates, cylindrical coordinates & Spherical polar coordinates		2 nd Week	
05-06			Time & path integral of force Work & Energy		3 rd week	
07			Conservative force and concept of potential, Conservation of energy	Oct 2023	4 th Week	
01			Dissipative forces, Conservation of linear and angular momentum			
02-03			Mechanics of a system of particles Linear & angular momentum and energy. Equation of motion of system of particles, Conservation of linear and angular momentum. Work energy theorem.	November 2023	1 st Week	
				Dec 23		

ACADEMIC YEAR: 2023-24	SEMESTER: II
COURSE: UG	COURSE NAME: Electricity & Magnetism
SUBJECT CODE: BSCPHYMJ201	SUBJECT TYPE: THEORY
Paper-MJC-2	WORKLOAD: 4 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01- 02			Charge quantization, conservation, Charge distribution, continuous and discrete distribution	Apr'24	1 st Week	CHALK & BOARD
			Electric field and potential for a point charge, line charge and surface charge distribution			
03-04			Coulomb's law, Gauss theorem, Relation between field and potential		2 nd Week	
05-06			Field near the surface of a conductor		3 rd week	

07	MJC-2	J K Majhi	Earnsaw's theorem, Method of electrical images	Apr'24	4 th Week	
01			Capacitance, Capacitor and Energy of a charged capacitor,			
02-03			Parallel plate capacitor, Cylindrical capacitor, Spherical capacitor.	May'24	1 st Week	
			Electric dipole, quadruple, Multiple Field due to dipole, Multiple expansion	Jun'24		

ACADEMIC YEAR: 2023-24	SEMESTER: V
COURSE: UG	COURSE NAME: Atomic Physics & Spectroscopy
SUBJECT CODE: BSCHPHSC5	SUBJECT TYPE: THEORY
Paper- DSE-I	WORKLOAD: 4 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid			
01-02	DSE 1.4	J K Majhi	Molecular spectroscopy: Basic ideas about molecular spectra	September 2023	1 st Week	CHALK & BOARD			
03-04			Molecular spectroscopy: Basic ideas about molecular spectra		2 nd Week				
05-06			Diatomic molecules – rotational spectra and energy levels		3 rd week				
07			Diatomic molecules: vibrational spectra and energy levels.	October 2023	4 th Week				
08			Diatomic molecules: vibrational spectra and energy levels.						
09-10			Raman effect and its application to molecular spectroscopy	November 2023	1 st Week				
11			Raman effect and its application to molecular spectroscopy		2 nd Week				
12			Tutorial		3 rd Week				
01					Laser Spectroscopy: Population inversion, Einstein's A and B coefficients;		December 2023	4 th Week	
02					Laser Spectroscopy: Population inversion, Einstein's A and B coefficients;				

03	DSE-1.5	J K Majhi	Feedback of energy on a resonator; 3-level Lasers.	January 2024	1 st Week	CHALK & BOARD
04			Feedback of energy on a resonator; 3-level Lasers.			
05			4-level systems, Ruby Laser and He-Ne Laser		2 nd Week	
06			4-level systems, Ruby Laser and He-Ne Laser			
07		4-level systems, Ruby Laser and He-Ne Laser	January 2024	3 rd Week	CHALK & BOARD	
08		Tutorial				
09		Tutorial		4 th Week		
10		Class Test (ONLINE MCQ)				

DR. R K ROY

Semester – VI

Course Name: Condensed Matter Physics

Subject Code: Core Course – XIV

Name of Teacher	Unit Code	Lecture Number	Topic of discussion	Expected Month	Expected Week	Plan of Teaching Aid
Dr. Ritwik Kumar Roy	CC-XIV	1	Elementary Lattice Dynamics: Lattice Vibrations and Phonons	Feb 2024	2 nd week	PPT/ Chalk and Board
		2	Linear Monoatomic and Diatomic Chains		2 nd week	
		3	Acoustical and Optical Phonons		3 rd week	
		4	Qualitative Description of the Phonon Spectrum in Solids, Dulong and Petit's law		3 rd week	
		5	Einstein theory of specific heat of solids		4 th week	
		6	Debye theory of specific heat of solid, T ³ law		4 th week	
		7	Dielectric Properties of Materials: Polarization, Local Electric Field at an Atom		5 th week	
		8	Depolarization Field, Electric Susceptibility, Polarizability		5 th week	
		9	Clausius Mosotti Equation, Classical Theory of Electric Polarizability		2 nd week	

		10	Normal and Anomalous Dispersion, Cauchy and Sellmeier relations	March 2024	2 nd week	
		11	Langevin-Debye equation, Complex Dielectric Constant		3 rd week	
		12	Optical Phenomena, Application: Plasma Oscillations		3 rd week	
		13	Plasma Frequency, Plasmons, TO modes		4 th week	
		14	Elementary Band Theory: Kronig Penny model, Band Gap		4 th week	
Name of Teacher	Unit Code	Lecture Number	Topic of discussion	Expected Month	Expected Week	Plan of Teaching Aid
Dr. Ritwik Kumar Roy	CC-XIV	15	Conductor, Semiconductor (P and N type) and Insulator, Conductivity of Semiconductor	April 2024	1 st week	PPT/ Chalk and Board
		16	Mobility, Hall Effect		1 st week	
		17	Measurement of conductivity (04 probe method) & Hall coefficient		2 nd week	
		18	Superconductivity: Elementary Idea of Superconductivity		2 nd week	

Semester – IV
Course Name: Waves and Optics
Subject Code: BSCHPHSC Core Course – CC-9

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01,02	Unit IV	Dr. R K ROY	Interference of light waves: Young's experiment; spatial and temporal coherence;	March 2024	1 st week	PPT /SMART BOARD
03,04			intensity distribution; Fresnel's biprism, interference in thin film; fringes of equal inclination and equal thickness;		2 nd Week	
05,06			Fresnel's biprism, interference in thin film; fringes of equal inclination and		3 rd Week	
07,08			Newton's ring. Michelson's interferometer, Multiple beam interference – reflected and transmitted pattern.		4 th Week	
09			Fabry-Perot interferometer.		1 st week	
10,11			Diffraction of light waves: Fresnel and Fraunhofer class,	April 2024	2 nd week	

12,13	Unit V	Fresnel's half period zones; explanation of rectilinear propagation of light; zone plate.	May 2024	3 rd Week
14,15		Fraunhofer diffraction due to a single slit, double slit and circular aperture (qualitative).		4 th Week
16,17		Plane diffraction grating (transmission).		1 st Week
19,20	Unit VI	Rayleigh criterion of resolution; resolving power of prism, telescope, microscope and transmission grating.		2 nd Week

Semester – III
Course Name: Thermal Physics –I

Name of Teacher	Unit Code	Lecture Number	Topic of discussion	Expected Month	Expected Week	Plan of Teaching Aid
Dr. Ritwik Kumar Roy	CC-VI	1	Real Gases: Nature of intermolecular interaction: isotherms of real gases	Sept 2023	1st week	PPT/ Chalk and Board
		2	van der-Waals equation of state, Other equations of state,		1st week	
		3	critical constants of a gas, law of corresponding states;		2 nd week	
		4	Virial Coefficients, Boyle temperature.		2nd week	
		5	Conduction of Heat: Thermal conductivity, diffusivity.		3rd week	
		6	Fourier's equation for heat conduction – its solution for rectilinear and radial (spherical) flow of heat.		3rd week	
		7	Fourier's equation for heat conduction – its solution for rectilinear and radial (cylindrical) flow of heat.		4 th week	
		8	Radiation: Spectral emissive and absorptive powers, Kirchoff's law,		4 th week	
		9	blackbody radiation, energy density, radiation pressure.	Nov 2023	3rd week	
		10	Stefan-Boltzmann law, Newton's law of cooling,		3rd week	
		11	Planck's law. Rayleigh Jeans formula and Weins law		4 th week	

DR. K. K. DEY

TEACHING PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: I
COURSE: UG	COURSE NAME: MECHANICS AND GENERAL PROPERTIES OF MATTER
SUBJECT CODE: BSCPHYMN101	SUBJECT TYPE: THEORY
Course TYPE: MNC-1	WORKLOAD: 2 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid	
01	NA	Dr. K K Dey	Gravitation: Kepler's laws, Newton's law of gravitation	Sept 2023	1 st Week	PPT/ Smart Board	
02			Motion of satellites in circular orbit. Geosynchronous orbits		2 nd Week		
03			General properties of matter: Elasticity; Relation between different elastic moduli		3 rd Week		
04			Poisson's ratio, Torsional pendulum		4 th Week		
05			Bending of beam		1 st week		
06	NA		Dr. K K Dey	Surface Tension: Angle of contact, surface tension and surface energy	Oct 2023		2 nd week
07				Pressure difference across curved surface example			3 rd Week
08				Excess pressure inside spherical liquid drop			4 th Week
09	NA		Dr. K K Dey	Viscosity: Streamline flow, turbulent flow	November 2023		1 st Week
10	NA			Equation of continuity, Determination of coefficient of viscosity by Poiseuille's method			2 nd Week
11				Stoke's method			3 rd Week
12				Bernoulli's theorem and its applications			4 th Week
13			Dr. K K Dey	Class Test	December 2023		1 st Week
14				Remedial			2 nd Week
15				Remedial			3 rd Week

ACADEMIC YEAR: 2023-24	SEMESTER: I
COURSE: UG	COURSE NAME: PHYSICAL SCIENCE
SUBJECT CODE: MDC101	SUBJECT TYPE: THEORY
Course TYPE: MDC-1	WORKLOAD: 1 Hr /Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	NA	Dr. K K Dey	Gravity, Force and Space: The force of Gravity; Planetary motion	Sept 2023	1 st Week	PPT/ Smart Board
02			Newton's third law; Weightlessness		2 nd Week	

03	NA	Low earth orbit; Geosynchronous satellites	Oct 2023	3 rd Week
04		Spy satellites; Medium Earth Orbit satellite		4 th Week
05		Circular Acceleration; momentum		1 st week
06		Rockets; Airplanes, helicopters and fans		2 nd week
07		Hot air and helium balloons		3 rd Week
08	NA	Structure of the Universe (Milkyway, solar system, planets, comets)	November 2023	4 th Week
09		Evolution of the Universe (Big Bang theory)		1 st Week
10		Class Test		2 nd Week
11		Remedial		3 rd Week
12		Remedial		4 th Week

ACADEMIC YEAR: 2023-24	SEMESTER: III
COURSE: UG	COURSE NAME: CLASSICAL MECHANICS AND SPECIAL THEORY OF RELATIVITY
SUBJECT CODE: BSCHPHSC5	SUBJECT TYPE: THEORY
Paper- CC-5	WORKLOAD: 8 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	CC-5.1	Dr. K K Dey	Rotational Motion: Moment of inertia, radius of gyration; Energy and angular momentum of rotating systems of particles;	Sept 2023	1 st Week	PPT/ Smart Board
02			Parallel and perpendicular axes theorems of moment of inertia;		2 nd Week	
03			Calculation of moment of inertia for simple symmetric systems;			
04			Ellipsoid of inertia and inertia tensor;			
05			Setting up of principal axes in simple symmetric cases. Euler's equation,	3 rd Week		
06			Rotating frames of reference - Coriolis and centrifugal forces, simple examples.	4 th Week		
07			Oct 2023	Force free motion of rigid bodies - free spherical top and free symmetric top.	1 st week	
08				Central force Motion: Motion of a particle under a central force field.	2 nd Week	
09				Two-body problem and its reduction to one-body problem and its solution.	3 rd Week	
10				The energy equation and energy diagram.		
11				Kepler's Laws. Satellite in circular orbit and applications.		
12				Geosynchronous orbits. Weightlessness. Physiological effects on astronauts.		
13				4 th Week	Gravitational potential, Basic idea of global positioning system (GPS).	
14						
15						
16						

17	CC-5.2		Lagrangian Formulation: Generalized coordinates, constraints and degrees of freedom;	November 2023	1 st week							
18					D'Alembart's principle; Lagrange's equation for conservative systems and its application to simple cases;		2 nd week					
19							Generalized momentum; Idea of cyclic coordinates, its relation with conservation principles.	3 rd Week				
20												
21								Hamiltonian Formulation: Definition of Hamiltonian, Hamilton's equation (derivation by Legendre transformation) and its application to simple cases.	4 th Week			
22												
23									Poisson's bracket and equation of motion,	December 2023		
24											Jacobi identity, canonical transformation.	
25												1 st week
26												Class Test
27	2 nd week											
28	Remedial											

ACADEMIC YEAR: 2023-24	SEMESTER: V
COURSE: UG	COURSE NAME: QUANTUM MECHANICS
SUBJECT CODE: BSCHPHSC11	SUBJECT TYPE: THEORY
Paper- CC-11	WORKLOAD: 8 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid		
01	CC-11.1	Dr. K K Dey	Old quantum theory: Planck's formula of black-body radiation. Photoelectric effect.	Sept 2023	1 st Week	PPT/ Smart Board		
02					Bohr atom and quantization of energy levels.		2 nd Week	
03							Basic quantum mechanics: de Broglie hypothesis, Electron double-slit experiment, Compton effect,	3 rd Week
04								Davisson-Germer experiment, Heisenberg's uncertainty principle (statement) with illustrations.
05	Concept of wave function as describing the dynamical state of a single particle.		Oct 2023					
06				Group and phase velocities, classical velocity of a particle and the group velocity of the wave representing the particle.	1 st Week			
07					Principle of superposition. Schrodinger equation.		2 nd Week	
08							Probabilistic interpretation; equation of continuity, probability current density. Boundary conditions on the wave function.	3 rd Week
09	CC-11.2		4 th Week					
10								
11								
12								
13								
14								
15								

16	CC-11.3		Basic postulates of quantum mechanics:	November 2023	1 st Week		
17			Dynamical variables as linear hermitian operators and eigenvalue equations,				
18							
19			Momentum, energy and angular momentum operators.				2 nd Week
20			Measurement of observables,				3 rd Week
21			expectation values.				
22			Commutation relations between operators.				4 th Week
23			Compatible observables and simultaneous measurements,				
24			Ehrenfest theorem.				
25							December 2023
26		Class Test					
27		Remedial	2 nd Week				
28		Remedial					

ACADEMIC YEAR: 2023-24	SEMESTER: VI
COURSE: UG	COURSE NAME: CLASSICAL DYNAMICS
SUBJECT CODE: BSCHPHSDSE603	SUBJECT TYPE: THEORY
Paper- DSE 4	WORKLOAD: 8 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid		
01	Unit I	Dr K K Dey	Calculus of variation: Variational principle; Euler-Lagrange equations	Feb 2024	2 nd Week			
02								
03			Hamilton's principle from variational principle, Brachistochrone problem		3 rd Week			
04							4 th Week	
05				Minimum surface of revolution, motion under gravity	March 2024		1 st week	
06								
07				Solution of Hamilton's equation for a particle in a central force field			2 nd Week	
08				Homogeneity of time and conservation of energy			3 rd Week	
09				Isotropy of space and conservation of angular momentum			4 th Week	
10								
11			Unit II		Small Amplitude Oscillations: Minima of potential energy and points of stable equilibrium		April 2024	1 st week
12								
13	Expansion of the potential energy around a minimum	2 nd week						
14		Small amplitude oscillations about the minimum, normal modes of oscillations			3 rd Week			
15		Example of N identical masses connected in a linear fashion to (N -1) - identical springs.						
16								
17								
18								
19								

20			Class Test		
21			Remedial		4 th Week
22			Remedial		

MR. K. MAJI
TEACHING PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: III
COURSE: UG	COURSE NAME: Analog Systems and Applications
SUBJECT CODE: BSCHPHSC303	SUBJECT TYPE: THEORY+LAB
Paper- CORE 7	WORKLOAD: 4 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	CC_7.1.1	Mr. Kajal Maji	Introduction to Semiconductors	November, 2023	3 rd week	Chalk & Board
02	CC_7.1.2	Mr. Kajal Maji	P and N type semiconductors. Energy Level Diagram. Conductivity and Mobility, Concept of Drift velocity.	November, 2023	3 rd week	Chalk & Board
03	CC_7.1.3	Mr. Kajal Maji	PN Junction Fabrication (Simple Idea). Barrier Formation in PN Junction Diode	November, 2023	4 th week	Chalk & Board
04	CC_7.1.4	Mr. Kajal Maji	Static and Dynamic Resistance. Current Flow Mechanism in Forward and Reverse Biased Diode.	November, 2023	4 th week	Chalk & Board
05	CC_7.2.1	Mr. Kajal Maji	Drift Velocity. Derivation for Barrier Potential, Barrier Width and Current for Step Junction. Current Flow Mechanism in Forward and Reverse Biased Diode.	December, 2023	1 st week	Chalk & Board
06	CC_7.2.2	Mr. Kajal	Rectifier Diode: Half-wave and full wave Rectifiers.	December, 2023	1 st week	Chalk & Board

		Maji				
07	CC_7.2. 3	Mr. Kajal Maji	Centre-tapped and Bridge Rectifiers,	December, 2023	2 nd week	Chalk & Board
08	CC_7.2. 4	Mr. Kajal Maji	Calculation of Ripple Factor and Rectification Efficiency, C-filter	December, 2023	2 nd week	Chalk & Board
09	CC_7.2. 5	Mr. Kajal Maji	Zener Diode and Voltage Regulation.	December, 2023	3 rd week	Chalk & Board
10	CC_7.2. 6	Mr. Kajal Maji	Principle and structure of (1) LEDs,	December, 2023	3 rd week	Chalk & Board
11	CC_7.2. 7	Mr. Kajal Maji	Photodiode and Solar Cell.	January, 2024	1 st week	Chalk & Board
12	CC_7.3. 1	Mr. Kajal Maji	Introduction of n-p-n and p-n-p Transistors.	January, 2024	1 st week	Chalk & Board
13	CC_7.3. 2	Mr. Kajal Maji	Characteristics of CB, CE and CC Configurations.	January, 2024	2 nd week	Chalk & Board
14	CC_7.3. 3	Mr. Kajal Maji	Current gains α and β Relations between α and β .	January, 2024	2 nd week	Chalk & Board
15	CC_7.3. 4	Mr. Kajal Maji	Load Line analysis of Transistors.	January, 2024	3 rd week	Chalk & Board
16	CC_7.3. 5	Mr. Kajal Maji	DC Load line and Q-point.	January, 2024	3 rd week	Chalk & Board
17	CC_7.3. 6	Mr. Kajal Maji	Physical Mechanism of Current Flow.	January, 2024	4 th week	Chalk & Board
18	CC_7.3. 7	Mr. Kajal Maji	Active, Cutoff and Saturation Regions.	January, 2024	4 th week	Chalk & Board
19	CC_7.4. 1	Mr. Kajal Maji	Basic principle of operations of JFET	February, 2024	1 st week	Chalk & Board
20	CC_7.4. 2	Mr. Kajal Maji	Basic principle of operations of MOSFET	February, 2024	1 st week	Chalk & Board

ACADEMIC YEAR: 2023-24	SEMESTER: IV
COURSE: UG	COURSE NAME: Electromagnetic Theory
SUBJECT CODE: BSCHPHSC401	SUBJECT TYPE: THEORY
Paper- CORE 8	WORKLOAD: 6 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	CC_8.3.1	Mr. Kajal Maji	Wave equation in Anisotropic Dielectrics;	Feb, 2024	2 nd week	Chalk & Board
02	CC_8.3.2		Wave equation in Anisotropic Dielectrics;		2 nd week	Chalk & Board
03	CC_8.3.3		crystal optics – equation of the wave surface		3 rd week	Chalk & Board
04	CC_8.3.4		crystal optics – equation of the wave surface		3 rd week	Chalk & Board
05	CC_8.3.5		electromagnetic theory of optical activity		4 th week	Chalk & Board
06	CC_8.3.6		electromagnetic theory of optical activity		4 th week	Chalk & Board
07	CC_8.4.1	Mr. Kajal Maji	Waves in a Conducting Medium	March, 2024	1 st week	Chalk & Board
08	CC_7.2.4		reflection and transmission at metallic surface		2 nd week	Chalk & Board
09	CC_7.2.5		skin effect. Propagation of electromagnetic waves between parallel conducting plates		3 rd week	Chalk & Board
10	CC_7.2.6		skin effect. Propagation of electromagnetic waves between parallel conducting plates,		4 th week	Chalk & Board
11	CC_7.2.7	Mr. Kajal Maji	wave guides with rectangular cross -sections;	April 2024	1 st week	Chalk & Board
12	CC_7.3.1		TE and TM modes		2 nd week	Chalk & Board
13	CC_7.3.2		TE and TM modes		3 rd week	Chalk & Board

14	CC_7.3.3		Optical fibres – total internal reflection		4 th week	Chalk & Board
15	CC_7.3.4		optical fibre as wave -guide	May 2024	1 st week	Chalk & Board
16	CC_7.3.5		step index and graded index fibres		2 nd week	Chalk & Board

ACADEMIC YEAR: 2023-24	SEMESTER: IV
COURSE: UG	COURSE NAME: Wave and Optics
SUBJECT CODE: BSCHPHSGE401	SUBJECT TYPE: THEORY+LAB
Paper- GE-4	WORKLOAD: 4 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	GE_4.4.1	Mr. Kajal Maji	Young's experiment;	Feb 2024	2 nd week	PPT
02	GE_4.4.2		spatial and temporal coherence;		3 rd week	PPT
03	GE_4.4.3		intensity distribution;		4 th week	PPT
04	GE_4.4.4	Mr. Kajal Maji	Fresnel's biprism, interference in thin film;	March, 2024	1 st week	Chalk & Board
05	GE_4.4.5		fringes of equal inclination and equal thickness;		2 nd week	Chalk & Board
06	GE_4.4.6		Newton's ring.		3 rd week	Chalk & Board
07	GE_4.4.7		Michelson's interferometer		4 th week	Chalk & Board
08	GE_4.4.8	Mr. Kajal Maji	Multiple beam interference – reflected and transmitted pattern.	April 2024	1 st week	Chalk & Board
09	GE_4.4.9		Fabry-Perot interferometer.		2 nd week	Chalk & Board

ACADEMIC YEAR: 2023-24	SEMESTER: II
COURSE: UG	COURSE NAME: Electricity and Magnetism
SUBJECT CODE: BSCHPHSGE201	SUBJECT TYPE: THEORY+LAB
Paper- GE-2	WORKLOAD: 4 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
----------------	-----------	-----------------	---------------------	----------------	---------------	----------------------

01	GE_2.1.1	Mr. Kajal Maji	Electric field: Electric field lines.	Feb, 2024	1 st week	Chalk & Board
02	GE_2.1.2		Electric field: Electric field lines.		2 nd week	Chalk & Board
03	GE_2.1.3		Electric field: Electric field lines.		3 rd week	Chalk & Board
04	GE_2.1.4		Fresnel's biprism, interference in thin film;		4 th week	Chalk & Board
05	GE_2.1.5	Mr. Kajal Maji	Electric field: Electric field lines.	March, 2024	1 st week	Chalk & Board
06	GE_2.1.6		Electrostatic Potential.		2 nd week	Chalk & Board
07	GE_2.1.7		Laplace's and Poisson equations.		3 rd week	Chalk & Board
08	GE_2.1.8		Potential and Electric Field of a dipole.		4 th week	Chalk & Board
09	GE_2.1.9	Mr. Kajal Maji	Potential and Electric Field of a dipole	April, 2024	1 st week	Chalk & Board
10	GE_2.1.10		mutual potential energy of two dipoles,		2 nd week	Chalk & Board
11	GE_2.1.11		mutual potential energy of two dipoles,		3 rd week	Chalk & Board
12	GE_2.1.12		force and torque between two dipoles		4 th week	Chalk & Board

DR. S MONDAL

TEACHING PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: IV
COURSE: UG	COURSE NAME: ELECTROMAGNETIC THEORY
SUBJECT CODE: BSCHPHSC1	SUBJECT TYPE: THEORY
Paper- CC-8	WORKLOAD: 2 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	UNIT I	Dr. Shrabani Mondal	Displacement current, continuity equation, maxwell's equation,	March 2024	1 st Week	CHALK & BOARD
02			Scalar and vector potentials, gauze invariance and Lorentz and coulomb gauze		2 nd Week	
03			Wave equation for EM wave and solution, Poynting vector, poynting theorem, boundary condition on E and B		3 rd Week	
04			Wave equation in isotropic dielectric, reflection and refraction at plane surface, reflection and transmission coefficients		4 th Week	
05	Unit IV		Freshnel's formula and applications, change of phase on reflection, Brewsters law, total internal reflection	April 2024	1 st week	
06			Electro-magneto-optic effects: Kerr and Faraday effect		2 nd week	
07			Acceleration of a charged particle by longitudinal and transverse electric fields: lorentzs force in a moving medium		3 rd week	
08			Assignment		4 th Week	
09			Remedial		May 24	

ACADEMIC YEAR: 2023-24			SEMESTER: VI			
COURSE: UG			COURSE NAME: CONDENSED MATTER PHYSICS			
SUBJECT CODE: BSCHPHSCV			SUBJECT TYPE: THEORY			
Paper- CC-14			WORKLOAD: 2 Hrs/Week			
Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	Unit I		Amorphous and crystalline materials, Lattice translational vectors, Basis, Unit cell	February 2024	1 st Week	PPT/CHALK &
02			Miller Indices, Reciprocal lattice, Types of lattices		2 nd Week	
03			Brillouine zone, Diffraction of X-ray by crystal planes, Bragg's law, Atomic and geometrical factors		3 rd Week	

04		Dr. Shrabani Mondal	Dia-Para-ferro magnetic materials, Classical theory of diamagnetism and paramagnetism		4 th week	BOARD
06	Unit III		Quantum mechanical treatment of paramagnetism, Curie law	March 2024	1 st Week	
07			Curie -Weiss law of ferromagnetism, ferromagnetic domains,		2 nd Week	
08			Discussion of B-H curve, Hysteresis and energy loss		3 rd week	
09			Remedials		4 th Week	

ACADEMIC YEAR: 2023-24	SEMESTER: V
COURSE: UG	COURSE NAME: Thermal Physics II
SUBJECT CODE: BSCHPHSCV	SUBJECT TYPE: THEORY
Paper- CC-12	WORKLOAD: 4 Hrs/Week

Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	CC-12.1	Dr. Shrabani Mondal	Basic concept, Thermodynamic variable	November 2023	1 st Week	PPT/CHALK & BOARD
02			Exact and inexact differential, thermal equilibrium, zeroth law, concept of temperature, internal energy		2 nd Week	
03			Thermodynamic equilibrium, quasi static process, First law of thermodynamics		3 rd Week	
04			magnetic system, specific heat		4 th Week	
05	CC-12.2		Reversible and irreversible process, Carnot cycle, efficiency of heat engine	December 2023	1 st week	
06			Entropy, Second law of thermodynamics		2 nd week	
07			Clausius theorem, T- S diagrams		3 rd Week	
08			Isothermal and adiabatic, elasticities		4 th Week	
09			Increase of entropy in natural process		January 2024	
		2 nd week				

10			Entropy and disorder, probabilistic interpretation of entropy		3 rd Week	
11			Kelvins scale of temperature, Relation to perfect gas		4 th Week	
12	CC-12.3		Enthalpy, Helmholtz and Gibb's free energy and Legendre transformation	February 2024	1 st Week	
13			Maxwell's relation and simple deduction using these		2 nd Week	
			Thermodynamic equilibrium and free energy		3 rd Week	
14			Class test		4 th Week	

DR. SHILPI SHOW MANDAL

ACADEMIC YEAR: 2023-24			SEMESTER: VI			
COURSE: UG			COURSE NAME: STATISTICAL MECHANICS			
SUBJECT CODE: BSCHPHSC13			SUBJECT TYPE: THEORY			
Paper- CC-13			WORKLOAD: 4 Hrs/Week			
Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01,02	Unit I	Dr S Show Mandal	Microstates and macro states: Classical description in terms of phase space and quantum description in terms of wave functions.	Feb 2024	1 st week	PPT
03,04			Hypothesis of equal a priori probability for microstates of an isolated system in equilibrium.		2 nd Week	
05,06			Interactions between two systems – thermal, mechanical and diffusive.		3 rd Week	
07,08			Statistical definition of temperature, pressure, entropy and chemical potential.		4 th Week	
09,10			Statistical definition of temperature, pressure, entropy and chemical potential.	1 st week		
11,12			Partition function of a system in thermal equilibrium with a heat bath.	March 2024	2 nd week	
13,14			Partition function of a system in thermal equilibrium with a heat bath.		3 rd Week	

15	Unit II		Problems assignment	April 2024	4 th Week	
16,17			Classical statistical mechanics: Maxwell-Boltzmann distribution law.		1 st Week	
18			Calculation of thermodynamic quantities for ideal monoatomic gases.		2 nd Week	
19			Calculation of thermodynamic quantities for ideal monoatomic gases.		3 rd Week	
20			Test		4 th Week	
ACADEMIC YEAR: 2023-24			SEMESTER: VI			
COURSE: UG			COURSE NAME: ELECTRICITY AND MAGNETISM			
SUBJECT CODE: BSCHPHSDSE604			SUBJECT TYPE: THEORY			
Paper- DSE 4			WORKLOAD: 8Hrs/Week			
Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01,02	Unit I	Dr S Show Mandal	Nanoscale Systems: Length scales in physics, Nanostructures: 1D, 2D and 3D nanostructures (nanodots, thin films, nanowires, nanorods)	Feb 2024	1 st week	PPT
03,04			Band structure and density of states of materials at nanoscale, Size Effects in nano systems.		2 nd Week	
05,06			Quantum confinement:		3 rd Week	
07,08			Applications of Schrodinger equation- Infinite potential well, potential step, potential box,		4 th Week	
09,10	Unit II		quantum confinement of carriers in 3D, 2D, 1D nanostructures and its consequences.	March 2024	1 st week	
11,12			Synthesis Of Nanostructure Materials: Top down and Bottom up approach, Photolithography. Ball milling.		2 nd week	
13,14			Gas phase condensation. Vacuum deposition. Physical vapor deposition (PVD):		3 rd Week	
15,16			Thermal evaporation, E-beam evaporation, Pulsed Laser deposition. Chemical vapor deposition (CVD).		4 th Week	
17,18	Unit III		Sol-Gel. Electro deposition. Spray pyrolysis. Hydrothermal synthesis. Preparation through colloidal methods. MBE growth of quantum dots.	April 2024	1 st Week	
19,20			Characterization: X-Ray Diffraction. Optical Microscopy.		2 nd Week	
21,22			Scanning Electron Microscopy. Transmission Electron Microscopy.		3 rd Week	

23,24		Atomic Force Microscopy. Scanning Tunneling Microscopy.		4 th Week
-------	--	---	--	----------------------

ACADEMIC YEAR: 2023-24			SEMESTER: III			
COURSE: UG			COURSE NAME: ELECTRICITY AND MAGNETISM			
SUBJECT CODE: BSCHPHSC302			SUBJECT TYPE: THEORY			
Paper- CC-4			WORKLOAD: 4 Hrs/Week			
Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	Unit III	Dr S Show Mandal	Magnetic Field: Magnetic force between current elements and definition of Magnetic Field B.	Sept 2023	1 st week	PPT
02			Biot-Savart's Law and its simple applications: straight wire and circular loop. Current Loop as a Magnetic Dipole and its Dipole Moment (Analogy with Electric Dipole).		2 nd Week	
03			Ampere's Circuital Law and its application to (1) Solenoid and (2) Toroid.		3 rd Week	
04			Properties of B: curl and divergence. Vector Potential.		4 th Week	
05	Unit IV		Magnetic Force on (1) point charge (2) current carrying wire (3) between current elements.	Oct 2023	1 st week	
06			Torque on a current loop in a uniform Magnetic Field.		2 nd week	
07			Magnetic Properties of Matter: Magnetization vector (M). Magnetic Intensity (H).		3 rd Week	
08			Magnetic Susceptibility and permeability. Relation between B, H, M. Ferromagnetism, B-H curve and hysteresis		4 th Week	
09	Unit V		Conductors in an electrostatic Field. Surface charge and force on a conductor.	November 2023	1 st Week	
10			Electromagnetic Induction: Faraday's Law. Lenz's Law.		2 nd Week	
11			Self-inductance and Mutual Inductance. Reciprocity Theorem. Energy stored in a Magnetic Field.		3 rd Week	
12			Introduction to Maxwell's Equations. Charge Conservation and dielectrics and Displacement current.		4 th Week	

Dr. Abhik Ghosh

Physics Major Semester I	Paper: Mechanics & GPM	Topic Vector Calculus	Sub topic of discussion Definition, properties	Expected month September, 2023	Expected week Week 1	Plan of teaching aid PPT/Scanned document
			Dot and Cross product		Week 2 -3	
			Differentiation of vectors		Week 4	
			Gradient	October, 2023	Week 1	
			Curl		Week 2	
			Problem discussion		Week 3-4	
			Vector integration	October, 2023	Week 1	
			Divergence, Stokes theorem		Week 2-3	
					Class Test	
		Green's theorem	Nov, 2023	Week 1		
		Application		Week 2 -4		
		Curvilinear co-ordinate systems	Dec, 2023	Week 1-4		
		Problem discussion	Jan, 2024	Week 1 -4		
Semester V	QUANTUM MECHANICS	Time dependent and time independent Schrodinger equation	Eigenstates, normalization and or	September, 2023	Week 1 -4	
		Simple applications of Quantum Mechanics	One dimensional potential well an boundary conditions, bound and Reflection and transmission coeff rectangular barrier in one dimens	October, 2023	Week 1 -4	
			Free particle in one dimensional bbox normalization, momentum eigenfunctions of a free particle.	October, 2023	Week 1 -4	

			Linear harmonic oscillator, energy eigenvalues from Hermite differential equation, wave function parity of wave function.	Nov, 2023	Week 1 -4	
		Schrodinger equation in spherical polar coordinates	Angular momentum operators and commutation relations; eigenvalues and eigenfunctions of L^2 and L_z ; the addition of angular momenta	December, 2023	Week 1	
			Test Problem discussion		Week 1 Week 2	
			The hydrogen atom problem		Week 3 -4	
			stationary state wavefunctions as simultaneous eigenfunctions of H radial Schrodinger equation and e	January, 2024	Week 1 - 3	

Semester VI	CLASSICAL DYNAMICS	Special Theory of Relativity:	Postulates of Special Theory of Relativity. Lorentz Transformations. Minkowski spacetime	February, 2024	Week 1	
			The invariant interval, light cone and world lines. Spacetime diagrams. Time-dilation		Week 2 -4	
			length contraction and twin paradox. Four-vectors: space-like, time-like Four-velocity and acceleration.	March, 2024	Week 1 -4	
			Test	April, 2024	Week 1	
			Metric and alternating tensors. Four-momentum and energy-momentum relation. Doppler effect		Week 2-4	
			Problem discussion	May, 2024	Week 1	
			Doppler effect from a four-vector perspective. Concept of four-force. Conservation of four-momentum.		Week 2 -4	
			Relativistic kinematics	June, 2024	Week 1 -4	
			Four vector conservation and decay problems	August, 2024	Week 1 -4	

DR. A. BISWAS

TEACHING PLAN

ACADEMIC YEAR: 2023-24			SEMESTER: IV			
COURSE: UG			COURSE NAME: Waves & Optics			
SUBJECT CODE: PSHS			SUBJECT TYPE: THEORY			
Paper- CC-9			WORKLOAD: 4 Hrs/Week			
Lecture Number	Unit Code	Name of Teacher	Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
01	CC-9.1	Dr. A Biswas	Superposition of collinear HOs: Linearity and superposition principle	Feb 2024	2 nd Week	PPT/Virtual Chalk and board
02			Superposition of two collinear oscillations having equal frequencies		3 rd Week	
03			Superposition of two collinear oscillations having different frequencies		4 th Week	
04			Superposition of N collinear harmonic oscillations having equal phase difference		1 st Week	
05			Superposition of N collinear harmonic oscillations having equal frequency difference	2 nd Week		
06	CC-9.2		Superposition of two perpendicular HOs: Graphical and analytical methods	March 2024	3 rd Week	
07	Lissajous Figures and their uses		4 th Week			
08	CC-9.3		Wave Motion: Plane and spherical waves	April 2024	1 st Week	
09			Longitudinal and transverse waves, plane progressive wave		2 nd Week	
10			Wave equation, particle and wave velocities, differential equation		3 rd Week	
11			Pressure of longitudinal wave, energy transport		4 th Week	
12			Intensity of wave, water wave, ripple and gravity waves	1 st Week		
13			Class test	May 2024	2 nd Week	

Banwarilal Bhalotia College, Asansol

Department of Commerce (Hindi Shift)

Curriculum/Teaching Plan for **Odd Semester** of the Academic Year 01/08/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Santanu Mallick

Honours Course

5th Semester

Course Name: **Fundamentals of Financial Management (Core Course - 12)**

Course Code: **BCOMHC502**

Assigned Syllabus: **Unit – V of the Paper (Cash Management)**

Assigned Classes: **2 classes per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Concept of Cash Management, Reasons for Cash Surplus, Effect of Cash Deficits	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Cash Cycle, Electronic Cash Management System, Virtual Banking, Float, Methods of Improving Liquidity	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Viva-voce	
<i>5th week of August 2023</i>	Cash Budget (Concept only), Baumol 's EOQ Model for Cash Management, Miller-Orr Cash Management Model	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

2 nd week of September 2023	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Course Name: Management Accounting (Discipline Specific Elective - 1)

Course Code: BCOMHACDSE501

Assigned Syllabus: Unit – IV & V of the Paper (Cash Flow and Fund Flow Analysis, Budgeting & Budgetary Control)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
2 nd week of August 2023	Concept of Cash Flow, elements of cash, classification of cash flow activities	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
3 rd week of August 2023	Methods of preparation of cash Flow statement – Direct & Indirect Method	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
4 th week of August 2023	Sums on classification of cash flow activities	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
5 th week of August 2023	Two Comprehensive sums on Cash Flow Statement	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
2 nd week of September 2023	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

<i>3rd week of September 2023</i>	Concept of fund, fund flow, sources and application of fund	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Two comprehensive sums of Fund Flow statement including statement of Change in Working Capital	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Concept of budget, budgetary control, differences between Budgetary Control and Standard Costing, benefits and drawbacks	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Cash Budget	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Production budget, sales and purchase budget	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Fixed Budget & Flexible budget	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Course Name: Advanced Financial Accounting (Discipline Specific Elective - 2)

Course Code: BCOMHACDSE502

Assigned Syllabus: Unit – III, IV & V of the Paper (Accounting for Local Bodies, Insurance Claims, Royalties Accounting)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Theoretical Overview, Municipal Accounting, Gram Panchayat Accounting, Cash Book, Receipts & Payment Account	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	GPMS-Features, Benefits and Limitation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Physical & ownership concept; concept of under-insurance and average clause, computation of claim – with price change;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	Consideration of unusual selling line; price reduction.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode
<i>3rd week of September 2023</i>	Concept of insured & uninsured standing charges, GP rate, short sales	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>4th week of September 2023</i>	Increased cost of working, average clause and computation of claim	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Comprehensive Sums on Insurance Claim – Loss of Stock & Loss of Profit each	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Concept of Royalty, different terminologies related with Royalty like Minimum rent, short workings etc.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Sums on Royalty in the books of Lessee	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Sums on Royalty in the books of Lessor	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

3rd Semester

Course Name: Income Tax Law and Practice

Course Code: BCOMHC302

Assigned Syllabus: Unit – 3 of the Paper (Computation of Income under different heads - 2)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September 2023</i>	Concept of capital gains, basis of charges, types of capital assets, transfer of capital assets. Cost of acquisition, chargeability of tax under different circumstances, indexed cost of acquisition and improvement.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September 2023</i>	Computation of Short-term Capital Gains	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Computation of Long-term Capital Gains	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Exemptions from Capital gains Sec. 54, 54F	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Concept of Income other sources, basis of charge, Family Pension with problem, Gift	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Tax incidence in case of dividend, winning lottery, horse race, crossword puzzle, card games, interest from bank etc	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of October 2023</i>	Concept of Profits from Business & Profession, chargeability, expenses expressly allowed or deduction.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of October 2023</i>	Depreciation Sec. 32	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Scientific Research Sec. 35, expenses of specified business and others items	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November 2023</i>	Computation of Income from Business	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November 2023</i>	Computation of Income from Profession	
<i>4th week of November 2023</i>	Remedial classes for the students	Discussion/interactive session

1st Semester

Under NEP B.Com. (3 years + 4 years)

Course Name: Financial Accounting

Course Code: BCOMMJ101

Assigned Syllabus: Unit – 1, 2, 3 & 4 of the Paper (Introduction – Conceptual Framework, Preparation of Financial Statement. Accounting for Consignment & Royalties Accounting)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Accounting principle, concepts, conventions, characteristics, basis of accounting and small sums on each concept and convention, Accounting Process: Journal, ledger, Trial Balance, Financial Statements (overview)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Capital Expenditure, Revenue Expenditure, and Deferred Revenue Expenditure. Preparation of Financial Statements of a profit-making sole proprietorship trading firm with additional information	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Preparation of Financial Statements of a profit-making sole proprietorship trading firm with additional information	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	Preparation of Financial Statements of a not-for-profit organization, Receipt & Payments A/c to Income & Expenditure A/c and visa-vis	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Introduction to Accounting Standards and Indian Accounting Standards (AS & Ind AS),	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>3rd week of September, 2022</i>	Viva-voce	
<i>4th week of September 2023</i>	Definition of consignment its features, differentiation between sales and consignments, consignor's expenses, consignee's expenditure, different types of commission given to consignee.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Valuation of unsold stocks, Journal entries in the books of consignor	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Treatment of Normal loss and Abnormal Loss, goods-in-transit, loss-in-transit	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Treatment of invoice price, load calculation, Treatment of Special Commission	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Viva-voce	
<i>1st week of November 2023</i>	Concept of Royalties, different terminologies used in Royalties, journal entries in the books of lessee, drawing up accounts	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November 2023</i>	Ledger Accounts	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of November 2023</i>	Short Workings Recoverable, Royalties Receivables	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November 2023</i>	Sub Lease	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November 2023</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Course Name: [Micro Economics](#)

Course Code: [BCOMMD120](#)

Assigned Syllabus: [Unit – 1 & 2 of the Paper \(Basics of Demand & Supply & Theory of Consumer Behaviour\)](#)

Assigned Classes: [2 classes per week](#)

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Cardinal analysis; Law of diminishing marginal utility	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Consumer surplus Ordinal approach	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Indifference curve analysis; Budget line;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>5th week of August 2023</i>	Derivation of Consumer Equilibrium	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Income consumption curve and Price consumption curve	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2022</i>	Hicksian decomposition of price effect into a substitution effect and income effect	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Demand curve for Normal, inferior and Giffen goods Concept of Elasticities of demand; Measurement of various elasticities of demand;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Distinction between the slope of a demand curve and the elasticity of demand; Elasticity of supply.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Commerce (Hindi Shift)

Curriculum/Teaching Plan for **Odd Semester** of the Academic Year 01/08/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Santanu Mallick

Program Course

3rd Semester

Course Name: **Income Tax Law and Practice**

Course Code: **BCOMPC302**

Assigned Syllabus: **Unit – 3 of the Paper (Computation of Income under different heads-2)**

Assigned Classes: **1 class per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September 2023</i>	Concept of capital gains, basis of charges, types of capital assets, transfer of capital assets. Cost of acquisition, chargeability of tax under different circumstances, indexed cost of acquisition and improvement.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September 2023</i>	Computation of Short-term Capital Gains	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Computation of Long-term Capital Gains	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after
<i>5th week of September 2023</i>	Exemptions from Capital gains Sec. 54, 54F	study materials will be supplied after

		completion of the topics)
<i>1st week of October 2023</i>	Concept of Income other sources, basis of charge, Family Pension with problem, Gift	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Tax incidence in case of dividend, winning lottery, horse race, crossword puzzle, card games, interest from bank etc	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Concept of Profits from Business & Profession, chargeability, expenses expressly allowed or deduction.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of October 2023</i>	Depreciation Sec. 32	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Scientific Research Sec. 35, expenses of specified business and others items	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November 2023</i>	Computation of Income from Business	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November 2023</i>	Computation of Income from Profession	
<i>4th week of November 2023</i>	Remedial classes for the students	Discussion/interactive session

3rd Semester

Course Name: **Computer Applications in Business**

Course Code: **BCOMP CSE01**

Assigned Syllabus: **Unit – 5 of the Paper (Computerised Accounting Systems (ERP-Tally)**

Assigned Classes: **2 classes per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September 2023</i>	Spreadsheet concepts, managing worksheets; Formatting, conditional formatting, entering data, Editing, and Printing and Protecting worksheets; Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs; Working with Multiple worksheets; controlling worksheet views, naming cells and cell ranges.	Computer lab/projector/chalk board
<i>3rd week of September 2023</i>	Mathematical, Statistical, Financial, Logical, Date and Time, Lookup and reference, Database functions, Text functions and Error functions	Computer lab/projector/chalk board
<i>4th week of September 2023</i>		
<i>5th week of September 2023</i>	Sort and filter; Consolidate; Tables; Pivot tables; What-if-analysis: Goal seek, Data tables and Scenario manager; Data analysis Tool Pak: Descriptive Statistics, Moving averages, Histogram, Covariance, correlation and Regression analysis	Computer lab/projector/chalk board
<i>1st week of October 2023</i>	Loan and Lease statement; Ratio Analysis; Payroll statements; Capital Budgeting; Constraint optimization, Assignment Problems, Depreciation Accounting; Graphical representation of data; Frequency distribution and its statistical	Computer lab/projector/chalk board

	parameters; Correlation and Regression Analysis	
<i>2nd week of October 2023</i>	Concept of Computerized Accounting, its advantages and disadvantages, things required for computerized accounting, how it differs from manual	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Creation of company, ledger creation, putting opening balances of ledgers	Computer lab/projector/chalk board
<i>5th week of October 2023</i>	Journal entries under different modes in Tally,	Computer lab/projector/chalk board
<i>1st week of November 2023</i>	day book, trial balance, balance sheet, profit & loss account	Computer lab/projector/chalk board
<i>2nd week of November 2023</i>	Cost centres, cost categories	Computer lab/projector/chalk board
<i>3rd week of November 2023</i>	Stock items creation, go-down creation, entry in item invoice mode, debit note, credit note	Computer lab/projector/chalk board
<i>4th week of November 2023</i>	Manufacturing journals, stock transfers	Computer lab/projector/chalk board
<i>1st week of December 2023</i>	Different reports generation, GST feature in Tally Prime	Computer lab/projector/chalk board

5th Semester

Course Name: Principles of Microeconomics (GE)

Course Code: BCOMPGE501

Assigned Syllabus:

Assigned Classes: 1 Class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Revenue concepts under different market conditions: TR, AR, MR	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	relationship among AR, MR and elasticity of demand;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Perfect Competition-Short run and long run equilibrium	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	Class test on the topics covered	Question – Answering session and Evaluation
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of September 2023</i>	Supply curve in the short run;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Monopoly – Short run and long run equilibrium	Chalk board/ppt/pdf lectures/video lectures (study materials will

		be supplied after completion of the topics)
<i>5th week of September 2023</i>	Concept of Price discrimination	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of October, 2023</i>	Monopolistic competition,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of October, 2023</i>	Oligopoly Market and Duopoly Market.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th Week of October, 2023</i>	Continuous Evaluation- Written Test	Written Evaluation
<i>1st week of November, 2022</i>	Remedial classes for the weak students	Discussion/interactive session

Course Name: Management Accounting (Discipline Specific Elective - 1)

Course Code: BCOMHACDSE501

Assigned Syllabus: Unit – IV & V of the Paper (Cash Flow and Fund Flow Analysis, Budgeting & Budgetary Control)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Concept of Cash Flow, elements of cash, classification of cash flow activities	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of August 2023</i>	Methods of preparation of cash Flow statement – Direct & Indirect Method	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Sums on classification of cash flow activities	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	Two Comprehensive sums on Cash Flow Statement	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode
<i>3rd week of September 2023</i>	Concept of fund, fund flow, sources and application of fund	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Two comprehensive sums of Fund Flow statement including statement of Change in Working Capital	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Concept of budget, budgetary control, differences between Budgetary Control and Standard Costing, benefits and drawbacks	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Cash Budget	Chalk board/ppt/pdf lectures/video lectures

		(study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Production budget, sales and purchase budget	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Fixed Budget & Flexible budget	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Course Name: **Advanced Financial Accounting (Discipline Specific Elective - 2)**

Course Code: **BCOMHACDSE502**

Assigned Syllabus: **Unit – III, IV & V of the Paper (Accounting for Local Bodies, Insurance Claims, Royalties Accounting)**

Assigned Classes: **2 classes per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Theoretical Overview, Municipal Accounting, ram Panchayat Accounting, Cash Book, Receipts & Payment Account	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	GPMS-Features, Benefits and Limitation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>4th week of August 2023</i>	Physical & ownership concept; concept of under-insurance and average clause, computation of claim – with price change;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	Consideration of unusual selling line; price reduction.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode
<i>3rd week of September 2023</i>	Concept of insured & uninsured standing charges, GP rate, short sales	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Increased cost of working, average clause and computation of claim	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Comprehensive Sums on Insurance Claim – Loss of Stock & Loss of Profit each	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Concept of Royalty, different terminologies related with Royalty like Minimum rent, short workings etc.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd week of October 2023</i>	Sums on Royalty in the books of Lessee	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Sums on Royalty in the books of Lessor	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Banwarilal Bhalotia College, Asansol

Department of Commerce (Hindi Shift)

Curriculum/Teaching Plan for **Even Semester** of the Academic Year 01/08/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Santanu Mallick

Honours Course

6th Semester

Course Name: **Indirect Tax Laws (Core Course - 14)**

Course Code: **BCOMHC602**

Assigned Syllabus: **Unit – 2 of the Paper (Levy and Collection of GST)**

Assigned Classes: **1 class per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Taxable event – Supply of goods and services;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	Place of supply: intra-state, inter-state, import and export;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Time of supply; Valuation for GST-valuation rules	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of March, 2024</i>	Taxation of reimbursement of expenses;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>5th week of March, 2024</i>	Exemption from GST	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Small supplies and Composition scheme	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Classification of goods and services	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Composite and Mixed supplies	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Practical problems	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Practical problems	lectures/video lectures (study materials will be supplied after completion of the topics)

1 st Week of May, 2024	Class test on the topics covered	Pen and paper mode
2 nd Week of May, 2024	Remedial classes for the weak students	Discussion/interactive session

Course Name: **Advanced Cost Accounting (Discipline Specific Elective - 5)**

Course Code: **BCOMHACDSE602**

Assigned Syllabus: **Unit – 1 & 2 of the Paper (Process Costing, Uniform Costing and Inter firm Comparison & Service Costing)**

Assigned Classes: **2 classes per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
4 th week of February, 2024	Inter process Profit- W-I-P Valuation (Equivalent Production)-Steps in Valuation of Equivalent Production	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
5 th week of February, 2024	Practical Sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
2 nd week of March, 2024	Joint Product-Co-products, Accounting for Joint Products	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
3 rd week of March, 2024	Practical Sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
4 th week of March, 2024	By-product-Accounting for By-products, Distinction between Joint Product and By-product,	Chalk board/ppt/pdf lectures/video lectures (study materials will be

		supplied after completion of the topics)
<i>5th week of March, 2024</i>	Practical Sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Uniform Cost Manual, Benefits of uniforms Costing, Limitations of uniform Costing, Procedures in making Interfirm Comparisons, Problems in Interfirm Comparisons	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Practical Sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Presentation of cost information – diagrammatic and graphic presentation. Costing reports – Requisites; steps; types; review	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Service Cost Analysis, Service Costing and Output Costing, Transport, Hotel and Hospital, Canteen, Costing of Educational Institutions,	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Practical Sums	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of May, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>2nd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Course Name: Computerized Accounting (Discipline Specific Elective - 6)

Course Code: BCOMHACDSE603

Assigned Syllabus: Unit – II, IV & V of the Paper (Maintaining Stock Keeping Units, Accounts Receivable and Payable Management & MIS Reports)

Assigned Classes: 3 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Introduction-Inventory Masters in ERP – Creating Inventory Masters,	Computer lab/projector/chalk board
<i>5th week of February, 2024</i>	Creation of Stock Group Creation of Units of Measure-Creation of Stock Item	Computer lab/projector/chalk board
<i>2nd week of March, 2024</i>	Creation of Godown-Defining of Stock Opening Balance in ERP Stock Category-Reports	Computer lab/projector/chalk board
<i>3rd week of March, 2024</i>	Practical Classes	Computer lab/projector/chalk board
<i>4th week of March, 2024</i>	Introduction-Accounts Payables and Receivables-Maintaining Bill-wise Details-Activation of Maintain Bill-wise Details Feature	Computer lab/projector/chalk board
<i>5th week of March, 2024</i>	New Reference-Against Reference Advance-On Account Stock Category Report-Changing the Financial Year in ERP.	Computer lab/projector/chalk board
<i>1st week of April, 2024</i>	Practical Classes	Computer lab/projector/chalk board

<i>2nd week of April, 2024</i>	Introduction-Advantages of Management Information Systems- MIS Reports in ERP	Computer lab/projector/chalk board
<i>3rd week of April, 2024</i>	Trial Balance - Balance Sheet-Profit and Loss Account-Cash Flow Statement-Ratio Analysis-Books and Reports	Computer lab/projector/chalk board
<i>4th week of April, 2024</i>	Day Book-Receipts and Payments-Purchase Register-Sales Register-Bills Receivable and Bills Payable.	Computer lab/projector/chalk board
<i>5th week of April, 2024</i>	Practical Classes	Computer lab/projector/chalk board
<i>1st Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

4th Semester

Course Name: Cost Accounting

Course Code: BCOMHC401

Assigned Syllabus: Unit – 1, 2, & 5 of the Paper (Overheads; Methods of Costing - Job Costing, Batch Costing, Contract Costing, Process costing, Cost Accounting Systems)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Meaning, scope, objectives and advantages of cost accounting; Difference between financial and cost accounting. Cost concepts	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	classifications-Direct, Indirect, Functional Classification, Notional and Imputed, Product and Period, Controllable and Uncontrollable, Explicit and Implicit, Sunk Cost and Pre-production Cost, research and Development Cost	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Elements of cost and preparation of Cost sheet	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Practical Sums on Cost Sheet	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Practical Sums on Cost Sheet Role of a cost accountant in an organisation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>1st week of April, 2024</i>	Materials: Material/inventory control techniques. Accounting and control of purchases, storage and	Chalk board/ppt/pdf lectures/video lectures (study materials will

	issue of materials. Inventory systems	be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	EOQ, Various levels of stocks – Theoretical discussion and sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Sums on EOQ, Various levels of stocks	
<i>4th & 5th week of April, 2024</i>	Methods of pricing of materials issues – FIFO, LIFO, Simple Average, Weighted Average, Replacement, Standard Cost; Physical Verification-Perpetual and Periodical System along with practical sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of May</i>	Accounting treatment and control of losses – Wastage, scrap, spoilage and defectives, ABC Analysis, VED, JIT, Material Turnover Ratio	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of May</i>	Accounting and Control of labour cost. Time-keeping and time-booking. Concept and treatment of idle time, over time, labour turnover and fringe benefits	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of May</i>	Methods of wage payment, Time Rate, Piece Rate along with practical problem	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th Week of May</i>	Incentive schemes- Halsey, Rowan, Taylor 's differential piece wage, Group Bonus Plans-Priestman 's, Ruckers's, Numm-Bush Plan, Profit Sharing, Requisites of Good Wages Incentive Plan along with sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th Week of May</i>	Class test on the topics covered	Pen and paper mode

2 nd week of June, 2024	Integral and non-integral systems, meaning, features, advantages of integral accounting system; Causes of difference in Cost profit and profits as per financial a/c, Reconciliation of cost accounting profits with financial profits.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
3 rd week of June, 2024	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Course Name: Computer Applications in Business

Course Code: BCOMHC403

Assigned Syllabus: Unit – 4 & 5 of the Paper [Spreadsheet and its Business Applications (Practical) & Computerised Accounting Systems (ERP-Tally)]

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
4 th week of February, 2024	Data Processing, Networking and Recent trends in computing Computing: Concept of computing, Data and information; Computing Interfaces: GUI, CLI, Touch Interface, NLI; data processing; applications of computers in business	Computer lab/projector/chalk board
5 th week of February, 2024	Computer Networks: Meaning of computer network; objectives/needs for networking; Applications of networking	Computer lab/projector/chalk board
2 ^d & 3 rd week of March, 2024	Basic Network Terminology; Types of Networks; Network Topologies; Distributed Computing: Client Server Computing, Peer- to- peer Computing; Wireless Networking; Securing Networks: firewall.	Computer lab/projector/chalk board

<i>4th & 5th week of March, 2024</i>	Creation of company, ledger creation, putting opening balances of ledgers	Computer lab/projector/chalk board
<i>1st and 2nd week of April, 2024</i>	Journal entries under different modes in Tally, day book, trial balance, balance sheet, profit & loss account	Computer lab/projector/chalk board
<i>2nd and 3rd week of April, 2024</i>	Cost centres, cost categories Stock items creation, go-down creation, entry in item invoice mode, debit note, credit note	Computer lab/projector/chalk board
<i>4th & 5th week of April, 2024</i>	Manufacturing journals, stock transfers, different reports generation, GST feature in Tally Prime	Computer lab/projector/chalk board
<i>1st Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

2nd Semester

Course Name: Cost Accounting

Course Code: BCOMMJ201

Assigned Syllabus: Unit – 2, 3 & 5 of the Paper (Materials, Labour & Cost Accounting System)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
2 nd week of April, 2024	Meaning, scope, objectives and advantages of cost accounting; Difference between financial and cost accounting. Cost concepts	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
3 rd week of April, 2024	classifications-Direct, Indirect, Functional Classification, Notional and Imputed, Product and Period, Controllable and Uncontrollable, Explicit and Implicit, Sunk Cost and Pre-production Cost, research and Development Cost	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
4 th week of April, 2024	Elements of cost and preparation of Cost sheet	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
5 th week of April, 2024	Practical Sums on Cost Sheet	
1 st Week of May	Practical Sums on Cost Sheet Role of a cost accountant in an organisation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
2 nd Week of May	Class test on the topics covered	Pen and paper mode
3 rd Week of May	Materials: Material/inventory control techniques. Accounting and control of purchases, storage and	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

	issue of materials. Inventory systems	completion of the topics)
<i>4th Week of May</i>	EOQ, Various levels of stocks – Theoretical discussion and sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th Week of May</i>	Sums on EOQ, Various levels of stocks	
<i>2nd week of June, 2024</i>	Methods of pricing of materials issues – FIFO, LIFO, Simple Average, Weighted Average, Replacement, Standard Cost; Physical Verification-Perpetual and Periodical System along with practical sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of June, 2024</i>	Accounting treatment and control of losses— Wastage, scrap, spoilage and defectives, ABC Analysis, VED, JIT, Material Turnover Ratio	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th Week of June, 2024</i>	Accounting and Control of labour cost. Time-keeping and time-booking. Concept and treatment of idle time, over time, labour turnover and fringe benefits	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th Week of June, 2024</i>	Methods of wage payment, Time Rate, Piece Rate along with practical problem	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of July, 2024</i>	Incentive schemes- Halsey, Rowan, Taylor's differential piece wage, Requisites of Good Wages Incentive Plan along with sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of July, 2024</i>	Class test on the topics covered	Pen and paper mode

3 rd week of July, 2024	Integral and non-integral systems, meaning, features, advantages of integral accounting system; Causes of difference in Cost profit and profits as per financial a/c, Reconciliation of cost accounting profits with financial profits.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
4 th Week of July, 2024	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Course Name: [Macro Economics](#)

Course Code: [BCOMMD221](#)

Assigned Syllabus: [Unit – 1 of the Paper \(Basic Concepts and National Income determination\)](#)

Assigned Classes: [2 classes per week](#)

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
2 nd week of April, 2024	Macroeconomics, Concepts, Scope, Macroeconomic variables- GDP, Interest rate, Income, Expenditure	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
3 rd week of April, 2024	Objectives, Difference between Microeconomics and Macroeconomics. National Income - Definition, concepts	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
4 th week of April, 2024	measurement of GNP, NNP, GDP, NDP, and NI	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

5 th week of April, 2024	Different methods of measuring national income; The Accounting identity of saving and investment;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
1 st Week of May	Problems of using national income as a measure of Economic welfare; Problems of measuring national income in any country	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
2 nd Week of May, 2024	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Course Name: Computer Applications in Business

Course Code: BCOMSE201

Assigned Syllabus: Unit – 1, 3 & 5 of the Paper [Data Processing, Networking and Recent trends in computing, Preparing Presentations (Practical & Computerised Accounting Systems (ERP-Tally)]

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
2 nd week of April, 2024	Data Processing, Networking and Recent trends in computing Computing: Concept of computing, Data and information; Computing Interfaces: GUI, CLI, Touch Interface, NLI; data processing; applications of computers in business	Computer lab/projector/chalk board
3 rd week of April, 2024	Computer Networks: Meaning of computer network; objectives/needs for networking; Applications of networking, Basic Network Terminology; Types of Networks; Network Topologies; Distributed Computing: Client Server	Computer lab/projector/chalk board

	Computing, Peer- to- peer Computing; Wireless Networking; Securing Networks: firewall.	
<i>4th & 5th week of April, 2024</i>	Internet Terminology: I.P. Address, Modem, Bandwidth, Routers, Gateways, Internet Service Provider (ISP), World Wide Web (www), Browsers, Search Engines, Proxy Server, Intranet and Extranet; Basic Internet Services; Internet Protocols: TCP/IP, FTP, HTTP(s), Uses of Internet to Society; Cyber Security: Cryptography, digital signature. Recent trends in computing: Tools of business collaboration: emails, wikis, file sharing, screen sharing, web presenting, work scheduling; E-Commerce: meaning, business models, Electronic Data Interchange (EDI), Payment Gateways; Internet of Things (IoT)	Computer lab/projector/chalk board
<i>1st & 2nd Week of May</i>	Preparing Presentations (Practical): Basics of presentations: Slides, Fonts, Drawing, Editing; Inserting: Tables, Images, texts, Symbols, hyperlinking, Media; Design; Transition; Animation; and Slideshow. Creating Business Presentations using above facilities.	Computer lab/projector/chalk board
<i>3rd Week of May</i>	Creation of company, ledger creation, putting opening balances of ledgers	Computer lab/projector/chalk board
<i>4th & 5th week of April, 2024</i>	Journal entries under different modes in Tally, day book, trial balance, balance sheet, profit & loss account	Computer lab/projector/chalk board
<i>2nd week of June, 2024</i>	Cost centres, cost categories Stock items creation, go-down creation, entry in item invoice mode, debit note, credit note	Computer lab/projector/chalk board

<i>3rd Week of June, 2024</i>	Manufacturing journals, stock transfers, different reports generation, GST feature in Tally Prime	Computer lab/projector/chalk board
<i>4th Week of June, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Commerce (Hindi Shift)

Curriculum/Teaching Plan for **Even Semester** of the Academic Year 01/08/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Santanu Mallick

Program Course

4th Semester

Course Name: **Corporate Accounting**

Course Code: **BCOMPC401**

Assigned Syllabus: **Unit – 1 & 3 of the Paper (Accounting for Share Capital and Debentures & Valuation of Shares)**

Assigned Classes: **2 classes per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2023</i>	Issue of share- Book Building	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	Buyback of shares, Underwriting of shares and debentures	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st and 2nd week of March, 2024</i>	Employee Stock Option Plans (Theory only) Issue of rights and Bonus shares,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd and 4th week of March, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive
<i>5th Week of March & 1st week of April, 2024</i>	Redemption of Preference shares, Redemption of debentures-different methods. (Relevant AS and IND-AS as applicable).	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd and 3rd week of April, 2024</i>	Valuation of Shares- Needs-different methods- Asset Approach, Earnings Approach, Dividend Yield	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Fair Value Method, Price-Earning Method, Productivity Factor Method Concepts and calculation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive

Course Name: Indirect Tax Laws and Practices

Course Code: BCOMPC402

Assigned Syllabus: Unit – 2 of the Paper (Levy and collection of GST)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Taxable event - Supply of goods and services;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	Place of supply: intra-state, inter-state, import and export; Time of supply;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st and 2nd week of March, 2024</i>	Valuation for GST- valuation rules; Taxation of reimbursement of expenses.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd and 4th week of March, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive
<i>5th Week of March & 1st week of April, 2024</i>	Exemption from GST: Small supplies and Composition scheme.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd and 3rd week of April, 2024</i>	Classification of goods and services: Composite and Mixed supplies.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of April, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive

6th Semester

Course Name: Advanced Cost Accounting (Discipline Specific Elective - 4)

Course Code: BCOMPACDSE601

Assigned Syllabus: Unit – 1 & 2 of the Paper (Process Costing, Uniform Costing and Inter firm Comparison & Service Costing)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Inter process Profit- W-I-P Valuation (Equivalent Production)-Steps in Valuation of Equivalent Production	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	Practical Sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Joint Product-Co-products, Accounting for Joint Products	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Practical Sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	By-product-Accounting for By-products, Distinction between Joint Product and By-product,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>5th week of March, 2024</i>	Practical Sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Uniform Cost Manual, Benefits of uniforms Costing, Limitations of uniform Costing, Procedures in making Interfirm Comparisons, Problems in Interfirm Comparisons	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Practical Sums	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Presentation of cost information – diagrammatic and graphic presentation. Costing reports – Requisites; steps; types; review	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Service Cost Analysis, Service Costing and Output Costing, Transport, Hotel and Hospital, Canteen, Costing of Educational Institutions,	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Practical Sums	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of May, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>2nd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Course Name: Computerized Accounting (Discipline Specific Elective - 6)

Course Code: BCOMPACDSE603

Assigned Syllabus: Unit – II, IV & V of the Paper (Maintaining Stock Keeping Units, Accounts Receivable and Payable Management & MIS Reports)

Assigned Classes: 3 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Introduction-Inventory Masters in ERP – Creating Inventory Masters,	Computer lab/projector/chalk board
<i>5th week of February, 2024</i>	Creation of Stock Group Creation of Units of Measure-Creation of Stock Item	Computer lab/projector/chalk board
<i>2nd week of March, 2024</i>	Creation of Godown-Defining of Stock Opening Balance in ERP Stock Category-Reports	Computer lab/projector/chalk board
<i>3rd week of March, 2024</i>	Practical Classes	Computer lab/projector/chalk board
<i>4th week of March, 2024</i>	Introduction-Accounts Payables and Receivables-Maintaining Bill-wise Details-Activation of Maintain Bill-wise Details Feature	Computer lab/projector/chalk board
<i>5th week of March, 2024</i>	New Reference-Against Reference Advance-On Account Stock Category Report-Changing the Financial Year in ERP.	Computer lab/projector/chalk board
<i>1st week of April, 2024</i>	Practical Classes	Computer lab/projector/chalk board

<i>2nd week of April, 2024</i>	Introduction-Advantages of Management Information Systems- MIS Reports in ERP	Computer lab/projector/chalk board
<i>3rd week of April, 2024</i>	Trial Balance - Balance Sheet-Profit and Loss Account-Cash Flow Statement-Ratio Analysis-Books and Reports	Computer lab/projector/chalk board
<i>4th week of April, 2024</i>	Day Book-Receipts and Payments-Purchase Register-Sales Register-Bills Receivable and Bills Payable.	Computer lab/projector/chalk board
<i>5th week of April, 2024</i>	Practical Classes	Computer lab/projector/chalk board
<i>1st Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol
Department of Commerce (Hindi Shift)

Curriculum/Teaching Plan for **Odd Semester** of the Academic Year 01/08/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Amalendu Samanta

Honours Course

5th Semester

Course Name: **Fundamentals of Financial Management (Core Course - 12)**

Course Code: **BCOMHC502**

Assigned Syllabus: **Unit – III and IV of the Paper (Cost of Capital and Dividend Decision)**

Assigned Classes: **2 classes per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Cost of Capital Sources of long-term financing Estimation of components of cost of capital. Methods for Calculating cost of equity capital, Cost of Retained Earnings,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Methods for Calculating Cost of Debt and Cost of Preference Capital,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Viva-voce	
<i>5th week of August 2023</i>	Weighted Average cost of capital (WACC) and Marginal cost of capital.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode
<i>3rd week of September 2023</i>	Dividend Decisions Classification of Dividends, Determinants of dividend Policy	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Dividend Theory-Modigliani and Miller Model, Residual Theory of dividend,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Cash and stock dividends; Dividend policies in practice	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Course Name: Management Accounting (Discipline Specific Elective - 1)

Course Code: BCOMHACDSE501

Assigned Syllabus: Unit – I, II & III of the Paper (Introduction, Ratio Analysis and Working capital Management)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Introduction: Management Accounting: Definition, Objectives, Scope, Functions,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of August 2023</i>	Advantages, Limitations, Techniques and need – Comparison with Financial Accounting and Cost Accounting, Role of Management Accountant, Essentials of success of Management Accountant.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Ratio Analysis: Meaning, Objectives, Advantages and Limitations – Classification of accounting ratios from different viewpoints	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	– Important accounting ratios used in analysing liquidity, solvency, profitability, managerial efficiency, capital structure – Computation and interpretation of important accounting ratios	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode
<i>3rd week of September 2023</i>	Preparation of financial statements and statements of proprietors 'fund from the given ratios.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Working Capital Management – Objectives of Working Capital Management, Component of Working Capital,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Types-Permanent, Temporary, Gross, Net, Positive, Negative Working Capital, Working Capital Cycle,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Strategies in working Capital Management-Conservative	Chalk board/ppt/pdf lectures/video lectures

	Approach, Aggressive Approach, Matching Approach, – Strategies of financing current assets.	(study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Working Capital Ratios, - Determinants of working capital requirement –	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Estimating working capital requirement - Percentage of Sales Method-regression Analysis Method, Operating Cycle Method	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Course Name: **Advanced Financial Accounting (Discipline Specific Elective - 2)**

Course Code: **BCOMHACDSE502**

Assigned Syllabus: **Unit – I and II of the Paper (Branch and Departmental Accounting, Investment Accounting and Voyage Accounting)**

Assigned Classes: **2 classes per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Accounting for Branches and Department (a) Branch Accounting: Concept of Branch; different types of Branches. Synthetic method – preparation of Branch account.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Preparation of Branch Trading and P/L account. (at cost & at IP) – normal and abnormal losses.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>4th week of August 2023</i>	Analytical method – preparation of Branch Stock Account, stock Adjustment account etc (at cost & at IP) – normal & abnormal losses- Independent branch – concept of wholesale profit and basic idea of incorporation.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	(a)Departmental Accounting: Concept, objective of preparation of departmental accounts;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode
<i>3rd week of September 2023</i>	apportionment of common cost; Preparation of Departmental Trading and P/L account,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Consolidated Trading and P/L account; inter departmental transfer of goods at cost,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	cost plus and at selling price and elimination of unrealized profit.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Investment Accounts-Maintenance of Investment Ledger-Preparation of Investment Account (transaction with brokerage STT cum & ex-interest),	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>2nd week of October 2023</i>	Valuation of Investment under FIFO and Average method, Investment Account for shares (with Right Issue, Bonus Shares and Sale of Right) relevant accounting standard.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Voyages Accounting- Specific Income, Expenditure, Calculation of Profits, Profit from Incomplete Voyage.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

3rd Semester

Course Name: Income Tax Law and Practice

Course Code: BCOMHC302

Assigned Syllabus: Unit – IV of the Paper (Computation of Total income and Tax liability)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September 2023</i>	Computation of Total Income and Tax Liability Income of other persons included in assesses total income (Part-I)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September 2023</i>	Computation of Total Income and Tax Liability Income of other persons included in assesses total income (Part-II)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Aggregation of income and set-off and carry forward of losses (Part-I)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Aggregation of income and set-off and carry forward of losses (Part-II)	
<i>1st week of October 2023</i>	Aggregation of income and set-off and carry forward of losses (Part-III)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Deductions from gross total income (Part-I)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of October 2023</i>	Deductions from gross total income (Part-II)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of October 2023</i>	Remedial classes for the students	Discussion/interactive session
<i>1st week of November 2023</i>	Deductions from gross total income (Part-III)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November 2023</i>	Rebates and reliefs; Computation of total income of individuals; Tax liability of an individual.(Part-I)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November 2023</i>	Rebates and reliefs; Computation of total income of individuals; Tax liability of an individual. (Part-II)	
<i>4th week of November 2023</i>	Remedial classes for the students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Course Name: E-Commerce

Course Code: BCOMHSE301

Assigned Syllabus: Unit – V of the Paper (Security and Legal Aspects of E-commerce security)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September 2023</i>	Security and Legal Aspects of E-commerce security – meaning and issues.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of September 2023</i>	Security threats in the E-commerce environment- security intrusions and breaches,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	attacking methods like hacking, sniffing, cyber-vandalism, etc.;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Technology solutions - encryption, security channels of communication,	
<i>1st week of October 2023</i>	protecting networks, servers, and clients.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Remedial classes for the students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

1st Semester

Under NEP B.Com. (3 years + 4 years)

Course Name: Financial Accounting

Course Code: BCOMMJ101

Assigned Syllabus: Unit – V, VI & VII of the Paper (Hire Purchase and Installment Payment System, Insurance Claim for Loss of Stock & Loss of profit and Accounting for Partnership Firm)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Hire Purchase and Installment Payment System, Accounting for Installment payment system- Calculation of Cash Price and Interest	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Hire Purchase Accounting: Journal entries	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Partial Repossession,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	Full Repossession	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Profit Computation (Stock & Debtors System only),	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>3rd week of September, 2022</i>	Viva-voce	
<i>4th week of September 2023</i>	Insurance Claim: (a) Loss of stock Physical & ownership concept; concept of underinsurance and average clause;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	computation of claim – with price change;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	consideration of unusual selling line; price reduction etc.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Practical problems- Advanced Level	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Viva-voce	
<i>1st week of November 2023</i>	Loss of profit: Concept insured & uninsured standing charges, GP rate, short sales and increased cost of working,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November 2023</i>	average clause and computation of claim	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of November 2023</i>	average clause and computation of claim	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November 2023</i>	average clause and computation of claim- Advanced level	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November 2023</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Course Name: [Micro Economics](#)

Course Code: [BCOMMD120](#)

Assigned Syllabus: [Unit – IV & V of the Paper \(Market Structure and Factor Price Determination\)](#)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Market Structure: Revenue concepts under different market conditions: TR, AR, MR	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	relationship among AR, MR and elasticity of demand;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Perfect Competition-Short run and long run equilibrium;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>5th week of August 2023</i>	Supply curve in the short run;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Monopoly – Short run and long run equilibrium; Concept of Price discrimination.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2022</i>	Monopolistic competition, Oligopoly Market and Duopoly Market.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Factor Price Determination; Theory of Wage Determination; Backward Bending Supply curve of labour;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Determination of Rent, Profit and Interest rate.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Commerce (Hindi Shift)

Curriculum/Teaching Plan for **Odd Semester** of the Academic Year 01/08/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Amalendu Samanta

Program Course

3rd Semester

Course Name: **Income Tax Law and Practice**

Course Code: **BCOMPC302**

Assigned Syllabus: **Unit – IV of the Paper (Computation of Total income and Tax liability)**

Assigned Classes: **1 class per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September 2023</i>	Computation of Total Income and Tax Liability Income of other persons included in assesses total income (Part-I)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September 2023</i>	Computation of Total Income and Tax Liability Income of other persons included in assesses total income (Part-II)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Aggregation of income and set-off and carry forward of losses (Part-I)	Chalk board/ppt/pdf lectures/video lectures
<i>5th week of September 2023</i>	Aggregation of income and set-off and carry forward of losses (Part-II)	(study materials will be supplied after

		completion of the topics)
<i>1st week of October 2023</i>	Aggregation of income and set-off and carry forward of losses(Part-III)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of October 2023</i>	Deductions from gross total income (Part-I)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Deductions from gross total income (Part-II)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of October 2023</i>	Remedial classes for the students	Discussion/interactive session
<i>1st week of November 2023</i>	Deductions from gross total income (Part-III)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November 2023</i>	Rebates and reliefs; Computation of total income of individuals; Tax liability of an individual.(Part-I)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November 2023</i>	Rebates and reliefs; Computation of total income of individuals; Tax liability of an individual. (Part-II)	
<i>4th week of November 2023</i>	Remedial classes for the students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

5th Semester

Course Name: Principles of Microeconomics (GE)

Course Code: BCOMPGE501

Assigned Syllabus: Unit 3 of the Paper (Theory of Production and Costs)

Assigned Classes: 1 Class per week

Expected Time Span	Topics Covered	Teaching Method
<i>2nd week of August 2023</i>	Total Cost, Average Cost, Marginal Cost, Production function.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Stages of production; law of variable proportions	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Law of returns to scale	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	Class test on the topics covered	Question – Answering session and Evaluation
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of September 2023</i>	Economics of scale; Short run and long run cost functions – their definition, nature, shape and relationship.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Isoquants and iso-cost lines – Concepts and their properties.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>5th week of September 2023</i>	Choice of best input combinations.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of October, 2023</i>	Empirical production functions - their properties and estimation.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of October, 2023</i>	Empirical estimation of cost functions.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th Week of October, 2023</i>	Continuous Evaluation- Written Test	Written Evaluation
<i>1st week of November, 2022</i>	Remedial classes for the weak students	Discussion/interactive session

Course Name: Management Accounting (Discipline Specific Elective - 1)

Course Code: BCOMHACDSE501

Assigned Syllabus: Unit – I, II & III of the Paper (Introduction, Ratio Analysis and Working capital Management)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Introduction: Management Accounting: Definition, Objectives, Scope, Functions,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Advantages, Limitations, Techniques and need – Comparison	Chalk board/ppt/pdf lectures/video lectures

	with Financial Accounting and Cost Accounting, Role of Management Accountant, Essentials of success of Management Accountant.	(study materials will be supplied after completion of the topics)
<i>4th week of August 2023</i>	Ratio Analysis: Meaning, Objectives, Advantages and Limitations – Classification of accounting ratios from different viewpoints	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	– Important accounting ratios used in analysing liquidity, solvency, profitability, managerial efficiency, capital structure – Computation and interpretation of important accounting ratios	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode
<i>3rd week of September 2023</i>	Preparation of financial statements and statements of proprietors 'fund from the given ratios.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Working Capital Management – Objectives of Working Capital Management, Component of Working Capital,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	Types-Permanent, Temporary, Gross, Net, Positive, Negative Working Capital, Working Capital Cycle,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Strategies in working Capital Management-Conservative Approach, Aggressive Approach,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

	Matching Approach,- Strategies of financing current assets.	completion of the topics)
<i>2nd week of October 2023</i>	Working Capital Ratios,- Determinants of working capital requirement –	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Estimating working capital requirement - Percentage of Sales Method-regression Analysis Method, Operating Cycle Method	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Course Name: [Advanced Financial Accounting \(Discipline Specific Elective - 2\)](#)

Course Code: [BCOMHACDSE502](#)

Assigned Syllabus: [Unit – I and II of the Paper \(Branch and Departmental Accounting, Investment Accounting and Voyage Accounting\)](#)

Assigned Classes: [2 classes per week](#)

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of August 2023</i>	Accounting for Branches and Department (a) Branch Accounting: Concept of Branch; different types of Branches. Synthetic method – preparation of Branch account.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of August 2023</i>	Preparation of Branch Trading and P/L account. (at cost & at IP) – normal and abnormal losses.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of August 2023</i>	Analytical method – preparation of Branch Stock Account, stock Adjustment account etc (at cost & at IP) – normal & abnormal losses- Independent branch – concept of wholesale profit and basic idea of incorporation.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of August 2023</i>	(a)Departmental Accounting: Concept, objective of preparation of departmental accounts;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of September 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode
<i>3rd week of September 2023</i>	apportionment of common cost; Preparation of Departmental Trading and P/L account,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September 2023</i>	Consolidated Trading and P/L account; inter departmental transfer of goods at cost,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of September 2023</i>	cost plus and at selling price and elimination of unrealized profit.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of October 2023</i>	Investment Accounts-Maintenance of Investment Ledger-Preparation of Investment Account (transaction with brokerage STT cum & ex-interest),	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd week of October 2023</i>	Valuation of Investment under FIFO and Average method, Investment Account for shares (with Right Issue, Bonus Shares and Sale of Right) relevant accounting standard.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October 2023</i>	Voyages Accounting- Specific Income, Expenditure, Calculation of Profits, Profit from Incomplete Voyage.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November 2023</i>	Remedial classes for the weak students	Discussion/interactive session
	Class test on the topics covered	Pen and paper mode

Banwarilal Bhalotia College, Asansol

Department of Commerce (Hindi Shift)

Curriculum/Teaching Plan for **Even Semester of the Academic Year 01/08/2023 – 31/05/2024**



Name of the Teacher/Course Instructor: Dr. Amalendu Samanta

Honours Course

6th Semester

Course Name: **Indirect Tax Laws (Core Course - 14)**

Course Code: **BCOMHC602**

Assigned Syllabus: **Unit – 4 of the Paper (Procedures and Special Provisions under GST)**

Assigned Classes: **1 class per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Procedures and Special Provisions under GST Registration; Tax Invoice;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	Credit and debit notes;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Returns;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Audit in GST;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>5th week of March, 2024</i>	Assessment: Self-assessment; Summary and scrutiny;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Taxability of e-Commerce; Anti-profiteering; Avoidance of dual control;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd week of April, 2024</i>	e-way bills; Zero-rated supply;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Offences and penalties; Appeals.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Practical examples with explanation	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Practical examples with explanation	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of May, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>2nd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Course Name: **Advanced Cost Accounting (Discipline Specific Elective - 5)**

Course Code: **BCOMHACDSE602**

Assigned Syllabus: **Unit – III,IV and V of the Paper (Marginal Costing, Standard Costing and Variance Analysis, Cost Audit and Cost Control)**

Assigned Classes: **2 classes per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Concept of marginal cost and marginal costing; Absorption versus Variable Costing; Distinctive features and income determination;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>5th week of February, 2024</i>	Cost-volume-profit analysis; Break-even analysis-using mathematical and graphical approaches;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Profit-volume ratio, angle of incidence, margin of safety, key factor, determination of cost indifference point,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Cash break-even point and Composite breakeven point, Limiting Factors Analysis (Concept Only), Make or Buy Decisions	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Meaning of standard cost and standard costing; advantages, limitations and applications; Types of Standards,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Setting Standards, standard Costing and Activity Based Costing,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Standard Cost Card, Variance Analysis – Material Variances, Labour Variances, overheads Variances,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd week of April, 2024</i>	Revisions of Variances, Interpretation of Variances	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Cost Audit-Meaning, Objectives, Nature and scope of cost audit, Provisions under Companies Act 2013 relating to maintenance of Cost Records and Cost Audit, Cost auditor appointment, rights and responsibilities,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Techniques of Cost Audit, Cost Audit Programme, Cost Audit Standards Cost Accounting Standard on Material Cost (CAS-6)- Definition,	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Principle of valuation of receipt of materials, Cost Accounting Standard on Employee Cost (CAS-7)- Statutory provisions for workman's compensation	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of May, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>2nd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

4th Semester

Course Name: Cost Accounting

Course Code: BCOMHC401

Assigned Syllabus: Unit – Unit III and IV of the paper (Overheads and Methods of Costing)

Assigned Classes: 4 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Classification and allocation of overhead	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	apportionment and absorption of overheads,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Under- and over- absorption; Causes and treatment of Under- and over- absorption;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Activity based costing (Concept Only).	
<i>4th week of March, 2024</i>	Machine Hour Rate,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>1st week of April, 2024</i>	(a) Job Costing-Features, Procedures, Advantages, (b) Batch Costing-Features, Economic Batch Production	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>2nd week of April, 2024</i>	(c) Contract Costing-Features, Accounting Procedures, Profit on Incomplete Contracts-Surveyor 's Certificate, Work-in-Progress, Costing of Running Contract,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Bid Costing and Cost-Plus contract, including Escalation Clause and De-Escalation Clause, Nearest to Completion.	
<i>4th & 5th week of April, 2024</i>	Process costing (excluding inter process profit	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of May</i>	W-I-P Valuation)-Features-	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of May</i>	Process Loss and Gains,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of May</i>	Normal Loss, Abnormal Loss and Abnormal Gain	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th Week of May</i>	Practical Problems on Contract Costing- Advanced level	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>5th Week of May</i>	Class test on the topics covered	Pen and paper mode
<i>2nd week of June, 2024</i>	Practical problems on inter process profit and WIP Valuation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of June, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

2nd Semester

Course Name: Cost Accounting

Course Code: BCOMMJ201

Assigned Syllabus: Unit – I, IV, V & VI of the Paper (: Introduction, Overheads, Methods of Costing and Variance analysis)

Assigned Classes: 3 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of April, 2024</i>	Meaning, scope, objectives and advantages of cost accounting; Role of a cost accountant in an organization. Difference between financial and cost accounting.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Cost concepts and classifications- Direct, Indirect, Functional Classification, Notional and Imputed, Product and Period, Controllable and Uncontrollable, Explicit and Implicit, Sunk Cost and Preproduction Cost, E-tendering,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Elements of cost and preparation of Cost sheet. Concepts of job costing and batch costing,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Classification, allocation, apportionment	
<i>1st Week of May</i>	absorption of overheads, Under - and over absorption;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of May</i>	Class test on the topics covered	Pen and paper mode
<i>3rd Week of May</i>	Causes and treatment of Under - and over- absorption;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>4th Week of May</i>	Activity based costing (Concept Only). Machine Hour Rate.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th Week of May</i>	Contract Costing-Features, Accounting Procedures,	
<i>2nd week of June, 2024</i>	Profit on Incomplete Contracts-Surveyor's Certificate, Work-in-Progress, Costing of Running Contract, Only Concept:	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of June, 2024</i>	Bid Costing and Cost-Plus contract, Escalation Clause and De-Escalation Clause.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th Week of June, 2024</i>	(b) Process costing (excluding inter process profit and W-I-P Valuation)-Features-	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th Week of June, 2024</i>	Process Loss and Gains, Normal Loss, Abnormal Loss and Abnormal Gain.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of July, 2024</i>	Variance analysis - material variances - concepts and analysis	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of July, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>3rd week of July, 2024</i>	Labour variances - Elementary concepts and analysis	Chalk board/ppt/pdf lectures/video lectures

		(study materials will be supplied after completion of the topics)
4 th Week of July, 2024	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Course Name: Macro Economics

Course Code: BCOMMD221

Assigned Syllabus: Unit – II and III of the Paper (Consumption Function Economy in the Short Run and IS– LM framework)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
2 nd week of April, 2024	Keynesian consumption function and its properties; Factors affecting consumption expenditure; Saving function and its properties.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
3 rd week of April, 2024	Concepts of MPS, APS, MPC and APC.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
4 th week of April, 2024	Determination of equilibrium level of income,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
5 th week of April, 2024	Nature of equilibrium, Stability of equilibrium;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>1st Week of May</i>	Concept of Multiplier; Investment multiplier; limitations of the multiplier analysis; Paradox of thrift.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of May, 2024</i>	Meaning, Objectives and instruments of fiscal and monetary policy, AD-AS approach- Determination of aggregate demand,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of May, 2024</i>	Shifts in aggregate demand, Aggregate supply in the short- run and long-run, Aggregate demand- Aggregate supply analysis.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th Week of May, 2024</i>	IS and LM curve- Definition, Properties, Derivation of IS and LM Functions;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of June, 2024</i>	Joint determination of National Income and rate of Interest.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd Week of June, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Commerce (Hindi Shift)

Curriculum/Teaching Plan for **Even Semester** of the Academic Year 01/08/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Amalendu Samanta

Program Course

4th Semester

Course Name: **Corporate Accounting**

Course Code: **BCOMPC401**

Assigned Syllabus: **Unit – II, IV & V of the Paper (Financial Statements of a Company, Amalgamation, Capital Reductions, Accounts of Holding Companies)**

Assigned Classes: **1 class per week**

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2023</i>	Preparation of financial Statement of Joint Stock companies as per schedule III Part I & II (Division I in detail and Division II only on overview) (Relevant AS and IND-AS as applicable)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	Concept of Purchase Consideration. Accounting for Amalgamation of Companies (excluding inter-company transactions and holdings)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st and 2nd week of March, 2024</i>	and external reconstruction Accounting for Internal Reconstruction (excluding	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

	preparation of scheme for internal reconstruction)	
3 rd and 4 th week of March, 2024	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive
5 th Week of March & 1 st week of April, 2024	Meaning, Holding Company, Subsidiary Company, Features, Preparation of consolidated Balance Sheet of Holding Company and subsidiary company, (Excluding Cross and Chain Holding, Relevant AS and IND-AS as applicable)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
2 nd and 3 rd week of April, 2024	Practical problems on Holding Company	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
4 th week of April, 2024	Practical problems on Holding Company	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
5 th week of April, 2024	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive

Course Name: Indirect Tax Laws and Practices

Course Code: BCOMPC402

Assigned Syllabus: Unit – III of the Paper (Input Tax Credit)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
4 th week of February, 2024	Input Tax Credit Eligible and ineligible input tax credit;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
5 th week of February, 2024	Apportionments of credit and blocked credits;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>1st and 2nd week of March, 2024</i>	Tax credit in respect of capital goods; Recovery of excess tax credit;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd and 4th week of March, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive
<i>5th Week of March & 1st week of April, 2024</i>	Transfer of input credit (Input Service Distribution); Payment of taxes; Refund;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd and 3rd week of April, 2024</i>	TDS; TCS; Reverse Charge Mechanism; Job work.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive

Course Name: E-Commerce

Course Code: BCOMPSE401

Assigned Syllabus: Unit – IV of the Paper (E-payment System)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	E-payment Methods- Debit card, Credit card, Smart cards, E-Money, E-Wallets; Digital signatures procedures	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	legal position; Payment gateways;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st and 2nd week of March, 2024</i>	Online banking- concepts, importance; Electronic fund transfer;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd and 4th week of March, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive

<i>5th Week of March & 1st week of April, 2024</i>	Automated Clearing House. Automated Ledger Posting.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd and 3rd week of April, 2024</i>	Emerging modes and systems of E-payment (MPaisa, PayPal and other digital currency). E- payments risks.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Class test on the topics covered	Pen and paper mode
	Remedial classes for the students	Discussion/interactive

6th Semester

Course Name: Indirect Tax Laws (Core Course - 14)

Course Code: BCOMHC602

Assigned Syllabus: Unit – 4 of the Paper (Procedures and Special Provisions under GST)

Assigned Classes: 1 class per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Procedures and Special Provisions under GST Registration; Tax Invoice;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	Credit and debit notes;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Returns;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Audit in GST;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>5th week of March, 2024</i>	Assessment: Self-assessment; Summary and scrutiny;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after

		completion of the topics)
<i>1st week of April, 2024</i>	Taxability of e-Commerce; Anti-profiteering; Avoidance of dual control;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	e-way bills; Zero-rated supply;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Offences and penalties; Appeals.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Practical examples with explanation	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Practical examples with explanation	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of May, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>2nd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Course Name: [Advanced Cost Accounting \(Discipline Specific Elective - 5\)](#)

Course Code: [BCOMHACDSE602](#)

Assigned Syllabus: Unit – III,IV and V of the Paper (Marginal Costing, Standard Costing and Variance Analysis, Cost Audit and Cost Control)

Assigned Classes: 2 classes per week

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of February, 2024</i>	Concept of marginal cost and marginal costing; Absorption versus Variable Costing; Distinctive features and income determination;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of February, 2024</i>	Cost-volume-profit analysis; Break-even analysis-using mathematical and graphical approaches;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Profit-volume ratio, angle of incidence, margin of safety, key factor, determination of cost indifference point,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Cash break-even point and Composite breakeven point, Limiting Factors Analysis (Concept Only), Make or Buy Decisions	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Meaning of standard cost and standard costing; advantages, limitations and applications; Types of Standards,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Setting Standards, standard Costing and Activity Based Costing,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>1st week of April, 2024</i>	Standard Cost Card, Variance Analysis – Material Variances, Labour Variances, overheads Variances,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Revisions of Variances, Interpretation of Variances	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Cost Audit-Meaning, Objectives, Nature and scope of cost audit, Provisions under Companies Act 2013 relating to maintenance of Cost Records and Cost Audit, Cost auditor appointment, rights and responsibilities,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Techniques of Cost Audit, Cost Audit Programme, Cost Audit Standards Cost Accounting Standard on Material Cost (CAS-6)- Definition,	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of April, 2024</i>	Principle of valuation of receipt of materials, Cost Accounting Standard on Employee Cost (CAS-7)- Statutory provisions for workman's compensation	lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st Week of May, 2024</i>	Class test on the topics covered	Pen and paper mode
<i>2nd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol
Department of Commerce

Curriculum/Teaching Plan for **Odd Semesters** of the Academic Year 2023-2024



Name of Teacher/Course Instructor: **Md Arif Akhter**

1st Semester (Hons.)

Subject- Principles of Management

Paper Type: Minor

Assigned Syllabus: Unit-1, Unit IV, and Unit V

Assigned Classes: - Two Classes per Week

Expected Time Span	Unit	Topic Covered	Teaching Method
1 st week of August 2023	Unit I (Introduction)	Concept and Features of Management. Importance and Functions of Management,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of August 2023		Management as an Arts or Science; Managerial Levels, Managerial Skills & Competencies,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of August 2023		Contribution to Management Theories [Fayol and Taylor]	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of August 2023		Max-Weber's Theory. Managerial Roles (Mintzberg).	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

4 th week of August 2023	Assignment Based Exam covering the whole unit syllabus		Assignment
2 nd and 3 rd week of September 2023	Unit IV (Directing And Staffing)	Concept and Definition of Directing, Functions and Process of Directing.,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023		Concept and Definition of Staffing, Different Elements of Staffing,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
5 th week of September 2023		Staffing as an Important Function of Management, Importance of Staffing in Management	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	Assignment Based Exam covering the whole unit syllabus		Assignment
2 nd week of October 2023	Unit-V (Motivation And Leadership)	Concept and Definition of Motivation, Importance and factors affecting motivation;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd and 4 th week of October 2023		Theories of Motivation- Maslow's Needs Hierarchy Theory	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023		Herzberg's Theory	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of November 2023		Theory-X & Theory-Y.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

4 th week of November 2023		Meaning and Importance of Leadership, Styles of Leadership, Qualities of Leadership,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
5 th week of November 2023		Concepts about different types of Company Meetings.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Assignment Based Exam covering the whole unit syllabus		Assignment
4 th week of December	Computerised test exam (MCQ) of the whole unit		Computer based

3rd Semester (Hons.)

Course Name: - HUMAN RESOURCE MANAGEMENT (CC-5)

Course Name - BCOMHC301

**Assigned Syllabus: [Unit II: Recruitment, Selection and Development](#),
[Unit III: Performance Appraisal](#)**

Assigned Classes: - [Two Classes per Week](#)

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit-II: Recruitment, Selection and Development	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be

	Recruitment	supplied after completion of the topics)
3 rd week of September 2023	Selection	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	Placement and induction	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
5 th week of September 2023	Socialization	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	Developing Human Resources	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of October 2023	Training – need, types, and evaluation;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of October 2023	Role specific and competency based training	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1st week of November 2023	Class test on Topic covered till date	Class Test
2 nd week of November 2023	Unit III: Performance Appraisal Performance appraisal- nature and objectives,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

4 th week of November 2023	Methods of performance appraisal,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
5 th week of November 2023	Potential appraisal & employee counselling	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Job changes—transfers and promotions	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3rd week of December	Class test on Topic covered till date	Class Test
4 th week of December 2023	Revision class	Chalk & Board
2 nd week of January 2024	Computerised test exam (MCQ) of the whole unit	Computer based

3rd Semester (Hons.)

Course Name: INCOME TAX LAW AND PRACTICE (CC-6)

Course Code: - BCOMHC302

Assigned Syllabus: -**Unit II: Salary**

Assigned Classes: - One Class per Week

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit II: Income from Salary Definition, Basic of Charge, Basic Salary- Pay scale	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Computation of Salary at glance	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

4th week of September 2023	Allowances- Dearness Allowances and House Rent Allowances, Computation of HRA	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2nd week of October 2023	Allowances- CCA, Tiffin Allowances, Medical Allowances, servant allowances, Entertainment allowances	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1st week of November 2023	Allowances- Deduction of which depends on actual expenditure	Chalk & Board/Pdf
2nd week of November 2023	Allowances- Deduction of which do not depend on actual expenditure	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4th week of November 2023	Perquisites and its valuation- Accommodations, Motor car, Movable assets and other	Chalk & Board/Pdf
5th week of November 2023	Retirement Benefits- Pension, Gratuity, Leave Encashment, Retrenchment Compensation,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2nd week of December 2023	Profit in Lieu of salary	Chalk & Board/Pdf
3rd week of December 2023	Deduction from Salary. Computation of Salary by including all components above	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4th week of December 2023	Class test on Topic covered till date	Class Test

2 nd week of January 2024	Computerised test exam (MCQ) of the whole unit	Computer based
--------------------------------------	--	----------------

3rd Semester (Hons.)

Course Name: MANAGEMENT PRINCIPLES AND APPLICATIONS (CC-7)

Course Code: - BCOMHC303

Assigned Syllabus: - Unit I: Introduction and Unit IV: Directing and Controlling,

Assigned Classes: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit I: Introduction Meaning and importance of management; Coordination mechanisms in organisations,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Management as an eclectic modern discipline;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	Theory base of management- classical Theory	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	Neo- classical Theory	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023	modern constructions of management	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of November 2023	Strategic Management, Managerial functions, roles (Mintzberg), levels and competencies	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023	Unit IV: Directing and Controlling	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

	Motivation- Meaning, importance and factors affecting motivation	
5 th week of November 2023	Theories of Motivation	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Leadership – meaning, importance and factors affecting leadership, leadership styles, and followership;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of December 2023	Principles of controlling; relationship amongst planning, organizing, directing and controlling;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of December 2023	Performing controlling function; Measures of controlling and accountability for performance	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of January 2024	Class test on Topic covered till date	Test Copy
2 nd week of January 2024	Computerised test exam (MCQ) of the whole unit	Computer based

3rd Semester (Hons.)

Course Name: - **E-COMMERCE (SEC-1)**

Course Code: - **BCOMHACCSE301**

Assigned Syllabus: - **Unit1V: E Payment system, Unit V: Website Designing**

Assigned Classes: - One class per week

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit 1V: E payment system E-payment Methods- Debit card, Credit card, Smart cards, E-Money, E-Wallets;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Digital signatures-procedures and legal position	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be

		supplied after completion of the topics)
4th week of September 2023	Payment gateways Online banking- concepts, importance	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	Electronic fund transfer; Automated Clearing House. Automated Ledger Posting.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023	Emerging modes and systems of E-payment (MPaisa, PayPal and other digital currency).	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of November 2023	E- payments risks.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023	Assignment Based Exam covering the whole unit syllabus	Assignment
5 th week of November 2023	Unit V: Website Designing Introduction to HTML tags and attributes:	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Text formatting, fonts, hypertext links, s	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of December 2023	Tables, images, lists, forms, cascading style sheet	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of December 2023	Assignment Based Exam covering the whole unit syllabus	Assignment

2 nd week of January 2024	Computerised internal exam	Computer based
---	----------------------------	----------------

5th Semester (Hons.)

Course Name: - **PRINCIPLES OF MARKETING (BCOMHC501)**

Assigned Syllabus: - **Unit II, Unit III, and Unit V**

Assigned Classes: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
2 nd week of August 2023	Unit II (a) Consumer Behaviour: Need for studying consumer behaviour; Types;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
3 rd week of August 2023	Stages in Consumer buying decision process; Factors influencing consumer buying decisions	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
4 th week of August 2023	(b)Market Selection: Choosing market value through STP	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
5 th week of August 2023	Market Segmentation- Levels and bases of segmenting consumer markets.	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)

2 nd week of September 2023	Market Targeting- concept and criteria.	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Product Positioning – concept and bases;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Product differentiation- concept and bases	Through Copy
4 th week of September 2023	Unit III: (a) Product Decisions: Concept and classification; Levels of Product. Designing value- Product- mix dimensions, strategies and types;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
5 th week of September 2023	Branding- functions, strategies, types and qualities of good brand name; Packaging and Labelling- functions, types and ethical aspects; Product support services.	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	(b) New Product Development: Product life cycle – concept and marketing strategies; New product development- concept and process	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
3 rd week of October 2023	Unit V: (a) Promotion Decisions: Communication process; Importance of Promotion. Communicating value-Decision about Promotion mix tools including advertising, personal selling, sales promotion, public relations, publicity and direct marketing; Factors influencing promotion mix;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
4 th week of October 2023	b) Developments in Marketing: Relationship Marketing- concept and dimensions. Sustainable Marketing- concept and issues.	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)

1 st week of November 2023	Rural marketing- characteristics, drivers of growth in rural marketing, rural marketing mix. Social marketing- Digital marketing- concept	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
4 th week of December 2023	Computerised test exam (MCQ) of the whole unit	Computer based

Course Name: **Income Tax Law and Practice (C-6)**

Course Code: **BCOMPC302**

Assigned Syllabus: - [Unit II: Salary](#)

Assigned Classes: - [One Class per week](#)

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit II: Income from Salary Definition, Basic of Charge, Basic Salary- Pay scale	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Computation of Salary at glance	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	Allowances- Dearness Allowances and House Rent Allowances, Computation of HRA	Test Copy
2 nd week of October 2023	Allowances- CCA, Tiffin Allowances, Medical Allowances, servant allowances, Entertainment allowances	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023	Allowances- Deduction of which depends on actual expenditure	Chalk & Board/Pdf
2 nd week of November 2023	Allowances- Deduction of which do not depends on actual expenditure	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023	Perquisites and its valuation- Accommodations, Motor car, Movable assets and other	Test Copy

5 th week of November 2023	Retirement Benefits- Pension, Gratuity, Leave Encashment, Retrenchment Compensation,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Profit in Lieu of salary	Chalk & Board/Pdf
3 rd week of December 2023	Deduction from Salary. Computation of Salary by including all components above	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of December 2023	Class test on Topic covered till date	Class Test
2 nd week of January 2024	Computerised test exam (MCQ) of the whole unit	Computer based
5 th week of September 2023	Assignment Based Exam covering the whole unit syllabus	Assignment
4 th week of December 2023	Computerised test exam (MCQ) of the whole unit	Computer based

Banwarilal Bhalotia College, Asansol
Department of Commerce
Curriculum/Teaching Plan for **Even Semesters** of the Academic Year 2023-24



Name of Teacher/Course Instructor: **Md Arif Akhter**

2nd Semester (Hons.)

Subject - Principles of Marketing Management

Paper Type: Minor

Full Marks -100 (ES 70 + CA 30)

Assigned Class: - Two classes per week

Expected Time Span	Unit	Topic Covered	Teaching Method
3 rd week of April 2024	Unit II: Marketing Environment	Micro environmental factors- company, suppliers, marketing intermediaries, customers, competitors, publics	Chalk & Board/Pdf lecture
4 th week of April 2024		Macro environmental factors – demographic, economic, natural, technological, politico-legal and socio-cultural	Chalk & Board/Pdf lecture
4 th week of April 2024		Class test on Topic covered to date	Class Test
1 st week of May 2024	Unit V: Pricing Decision	Objectives; Factors affecting price of a product; Pricing methods; Pricing strategies; Ethical issues in pricing decisions	Chalk & Board/Pdf lecture
2 nd week of May 2024		Distribution Decisions: Channels of distribution, types and functions. Delivering value- factors affecting choice of distribution channel; Distribution strategies; Distribution logistics – concept, importance and major logistics decisions; Wholesaling and retailing; Types of retail formats	Chalk & Board/Pdf lecture
3 rd week of May 2024	Unit VI: Place and Promotion Decisions	Concept of place, types and factors to be considered for determining suitable marketing channels, Communication process; Importance of Promotion.	Chalk & Board/Pdf lecture
4 th week of May 2024		Communicating value- Decision about Promotion mix tools including advertising, personal selling, sales promotion, public relations, publicity and direct marketing; Factors influencing promotion mix.	Chalk & Board/Pdf lecture
4 th week of May 2024		Class test on Topic covered till date	Class Test

5 th week of May 2024	Unit VII: Developments in Marketing	Relationship Marketing- concept and dimensions. Sustainable Marketing- concept and issues.	Chalk & Board/Pdf lecture
2 nd week of June 2024		Rural marketing- characteristics, drivers of growth in rural marketing, rural marketing mix.	Chalk & Board/Pdf lecture
3 rd week of June 2024		Service marketing: Marketing of Banking services, Mutual Funds etc.,	Chalk & Board/Pdf lecture
4 th week of June 2024		Social marketing- Digital marketing- concept.	Chalk & Board/Pdf lecture
5 th week of June		Digital platforms in Marketing – GeM, Amazon, Flipkart, Marketing Apps like Zomato, SWIGGY	Chalk & Board/Pdf lecture
5 th week of June 2024	Class test on Topic covered till date		Class test
2 nd week of July	Computer Based Exam (MCQ) covering the whole unit syllabus		Computer

Subject – Macro Economics

Paper Type: MD

Full Marks - 50 (SE 35 + CA 15)

Assigned Class: - One class per week

Expected Time Span	Unit	Topic Covered	Teaching Method
3 rd week of April 2024	Unit V: Inflation, Unemployment and Labor Market	Inflation-Causes and effects,	Chalk & Board/Pdf lecture
4 th week of April 2024		Demand pull and cost push inflation.	Chalk & Board/Pdf lecture
4 th week of April 2024		Measures to control inflation. Social costs of inflation. Unemployment –	Chalk & Board/Pdf lecture

1 st week of May 2024		Natural rate of unemployment, Frictional and wait unemployment.	Chalk & Board/Pdf lecture
2 nd week of May 2024		. Labour market and its interaction with production system.	Chalk & Board/Pdf lecture
3 rd week of May 2024		Phillips curve	Chalk & Board/Pdf lecture
4 th week of May 2024		Trade-off between inflation and unemployment,	Chalk & Board/Pdf lecture
4 th week of May 2024		Sacrifice ratio	Chalk & Board/Pdf lecture
5 th week of May 2024	Class test on Topic covered till date		Class test
2 nd week of June 2024	Computer Based Exam (MCQ) covering the whole unit syllabus		Computer

Course Name: Indian Economy (GE-4)

Course Code: BCOMHGE401

Assigned Syllabus: - Unit I: Basic Features of the Indian Economy

Unit II: Agriculture

Unit V: Five-Year Planning

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit I : Basic features of Indian Economy Features of Indian economy as a developing economy, composition of National Income, occupational Structure, trend of per capita income in India, trends of pattern of population growth	Chalk & Board/Pdf lecture

1 st week of March 2024	Problem of Poverty, Poverty alleviation measures; Problem of Unemployment and the policy measures,	Chalk & Board/Pdf lecture
2 nd week of March 2024	Human Development; Environmental concerns, Basic Issues in Economic Development, Concept and Measures of Development and Underdevelopment	Chalk & Board/Pdf lecture
3 rd week of March 2024	Unit II: Agriculture Characteristics of Indian agriculture, roles of agriculture on Indian economy, Causes of low productivity, Problems of Indian agriculture	Chalk & Board/Pdf lecture
4 th week of March 2024	Impact of Land Reforms.	Chalk & Board/Pdf lecture
5 th week of March 2024	Green Revolution	Chalk & Board/Pdf lecture
1 st week of April 2024	PDS, Food Security	Chalk & Board/Pdf lecture
2 nd week of April 2024	Unit V: Five-year Planning Objectives, achievements, and failures	Chalk & Board/Pdf lecture
3 rd week of April 2024	Evolution of the objectives of economic planning,	Chalk & Board/Pdf lecture
4 th week of April 2024	Evolution of the objectives of economic planning	Chalk & Board/Pdf lecture
1 st week of June 2024	Primary overview of NITI Ayog	
2 nd week of June 2024	Class test on Topic covered till date	Class Assignment
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

Course Name: ENTREPRENEURSHIP DEVELOPMENT (SE-2)

Course Code: BCOMHSE401

Assigned Syllabus: - Unit I : Introduction

Unit V: Managerial Aspects of Business

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit I: Introduction Entrepreneurship: concept, functions, need and importance	Chalk & Board/Pdf lecture
1 st week of March 2024	Entrepreneurial history in Indian Society; Determinants of entrepreneurship, creative responses to social challenges;	Chalk & Board/Pdf lecture
2 nd week of March 2024	Dimensions of entrepreneurship: intrapreneurship, technopreneurship	Chalk & Board/Pdf lecture
3 rd week of March 2024	Netpreneurship and ecopreneurship	Chalk & Board/Pdf lecture
4 th week of March 2024	social entrepreneurship	Chalk & Board/Pdf lecture
5 th week of March 2024	Unit V: (a) Managing finance, understanding of capital-mix;	Chalk & Board/Pdf lecture
1 st week of April 2024	Management of human resources of a new enterprise;	Chalk & Board/Pdf lecture
2 nd week of April 2024	Adopting a marketing strategy for sustaining new venture;	Chalk & Board/Pdf lecture
3 rd week of April 2024	Managing assets (cash management), relationship management;	Chalk & Board/Pdf lecture

4 th week of April 2024	Managing family business; Understanding cost management.	Chalk & Board/Pdf lecture
1 st week of June 2024	(b) New Business Idea Development and Proposal Writing	Chalk & Board/Pdf lecture
2 nd week of June 2024	Class test on Topic covered till date	Class Test
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer-based

4th Semester (Prog.)

Course Name: Indirect Tax Laws and Practice

Course Code: BCOMPC402

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit I: Introduction Constitutional framework of indirect taxes before GST (taxation powers of Union & State Government)	Chalk & Board/Pdf lecture
1 st week of March 2024	Concept of VAT: meaning, variants and methods;	Chalk & Board/Pdf lecture
2 nd week of March 2024	Major defects in the structure of indirect taxes prior to GST;	Chalk & Board/Pdf lecture

3 rd week of March 2024	Rationale for GST;	Chalk & Board/Pdf lecture
4 th week of March 2024	Structure of GST (SGST, CGST, UTGST & IGST)	Chalk & Board/Pdf lecture
5 th week of March 2024	Structure of GST (SGST, CGST, UTGST & IGST)	Chalk & Board/Pdf lecture
1 st week of April 2024	GST Council;	Chalk & Board/Pdf lecture
2 nd week of April 2024	GST Network;	Chalk & Board/Pdf lecture
3 rd week of April 2024	GST Network;	Chalk & Board/Pdf lecture
4 th week of April 2024	State compensation mechanism	Chalk & Board/Pdf lecture
1 st week of June 2024	Class test on Topic covered till date	Assignment
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

Course Name: E-COMMERCE

Course Code: BCOMPSE401

Assigned Syllabus: - Unit IV: E payment system

Unit II: Online Business Transactions

Assigned Class: - One class per week

Assigned Syllabus: - [Unit IV: E Payment system](#), [Unit V: Website Designing](#)

Assigned Classes: - [One class per week](#)

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit 1V: E payment system E-payment Methods- Debit card, Credit card, Smart cards, E-Money, E-Wallets;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Digital signatures-procedures and legal position	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	Payment gateways Online banking- concepts, importance	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	Electronic fund transfer; Automated Clearing House. Automated Ledger Posting.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023	Emerging modes and systems of E-payment (MPaisa, PayPal and other digital currency).	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be

		supplied after completion of the topics)
2 nd week of November 2023	E- payments risks.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023	Assignment Based Exam covering the whole unit syllabus	Assignment
5 th week of November 2023	Unit V: Website Designing Introduction to HTML tags and attributes:	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Text formatting, fonts, hypertext links, s	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of December 2023	Tables, images, lists, forms, cascading style sheet	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of December 2023	Assignment Based Exam covering the whole unit syllabus	Assignment
2 nd week of January 2024	Computerised internal exam	Computer based

6th semester B. Com. (Hons.)

Course Name: Auditing and Corporate Governance

Course Code: BCOMHC601

Assigned Syllabus: - Unit II: Audit of Companies and

Unit V: Corporate Governance Farmework

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit II: Audit of Companies Audit of limited Companies: Company Auditor, Qualifications and Disqualifications,	Chalk & Board/Pdf lecture
1 st week of March 2024	Appointment, Rotation, Removal, Remuneration, Rights and Duties	Chalk & Board/Pdf lecture
2 nd week of March 2024	Auditors Report, Liabilities of Statutory Auditors under the Companies Act. 2013,	Chalk & Board/Pdf lecture
3 rd week of March 2024	Divisible Profit and Dividend with special reference to Depreciation, Provision and Reserves as per Companies Act. 2013	Chalk & Board/Pdf lecture
4 th week of March 2024	Divisible Profit and Dividend with special reference to Depreciation, Provision and Reserves as per Companies Act. 2013	Chalk & Board/Pdf lecture
5 th week of March 2024	Unit V: Corporate Governance Framework in India Initiatives and reforms- Confederation of Indian Industry (CII) (1997),	Chalk & Board/Pdf lecture
1 st week of April 2024	Kumar Mangalam Birla (1999), NR Narayana Murthy Committee (2005) and Uday Kotak Committee (2017	Chalk & Board/Pdf lecture
2 nd week of April 2024	Regulatory framework: Relevant provisions of Companies Act, 2013,	Chalk & Board/Pdf lecture
3 rd week of April 2024	SEBI: Listing Obligations and Disclosure Requirements Regulations (LODR), 2015.	Chalk & Board/Pdf lecture
4 th week of April 2024	Corporate Governance in public sector, banking, non- banking financial institutions.	Chalk & Board/Pdf lecture

1 st week of June 2024	Class test on Topic covered till date	Class Test
2 nd week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

Course Name: Indirect Tax Laws

Course Code: BCOMHC602

Assigned Syllabus: - Unit I : Introduction

Assigned Class: - One classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit I: Introduction Constitutional framework of indirect taxes before GST (taxation powers of Union & State Government)	Chalk & Board/Pdf lecture
1 st week of March 2024	Concept of VAT: meaning, variants and methods;	Chalk & Board/Pdf lecture
2 nd week of March 2024	Major defects in the structure of indirect taxes prior to GST;	Chalk & Board/Pdf lecture
3 rd week of March 2024	Rationale for GST;	Chalk & Board/Pdf lecture
4 th week of March 2024	Structure of GST (SGST, CGST, UTGST & IGST)	Chalk & Board/Pdf lecture
5 th week of March 2024	Structure of GST (SGST, CGST, UTGST & IGST)	Chalk & Board/Pdf lecture
1 st week of April 2024	GST Council;	Chalk & Board/Pdf lecture

2 nd week of April 2024	GST Network;	Chalk & Board/Pdf lecture
3 rd week of April 2024	GST Network;	Chalk & Board/Pdf lecture
4 th week of April 2024	State compensation mechanism	Chalk & Board/Pdf lecture
1 st week of June 2024	Class test on Topic covered till date	Class test
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

6th sem. B.com (Program)

Course Name: Indian Economy

Course Code: BCOMPGE601

Assigned Syllabus: - Unit I: Basic Features of the Indian Economy

Unit II: Agriculture

Unit V: Five-Year Planning

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit I: Basic Features of Indian Economy Features of Indian economy as a developing economy, composition of National Income, occupational Structure, trend of per capita income in India, trends of pattern of population growth	Chalk & Board/Pdf lecture
1 st week of March 2024	Problem of Poverty, Poverty alleviation measures; Problem of Unemployment and the policy measures,	Chalk & Board/Pdf lecture
2 nd week of March 2024	Human Development; Environmental concerns, Basic Issues in Economic Development, Concept and Measures of Development and Underdevelopment	Chalk & Board/Pdf lecture
3 rd week of March 2024	Unit II: Agriculture Characteristics of Indian agriculture, roles of agriculture on Indian economy, Causes of low productivity, Problems of Indian agriculture	Chalk & Board/Pdf lecture
4 th week of March 2024	Impact of Land Reforms.	Chalk & Board/Pdf lecture
5 th week of March 2024	Green Revolution	Chalk & Board/Pdf lecture
1 st week of April 2024	PDS, Food Security	Chalk & Board/Pdf lecture
2 nd week of April 2024	Unit V: Five-year Planning Objectives, achievements, and failures	Chalk & Board/Pdf lecture
3 rd week of April 2024	Evolution of the objectives of economic planning,	Chalk & Board/Pdf lecture
4 th week of April 2024	Evolution of the objectives of economic planning	Chalk & Board/Pdf lecture

1 st week of June 2024	Primary overview of NITI Ayog	
2 nd week of June 2024	Class test on Topic covered till date	Class Assignment
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

6th sem. B.com (Program)

Course Name: Indian Economy

Course Code: BCOMPGE601

Assigned Syllabus: - Units I, II, III, IV and V

Assigned Class: - Four classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit I: Introduction to Personal Selling Nature and importance of personal selling, myths of selling, Difference between Personal Selling, Salesmanship and Sales Management,	Chalk & Board/Pdf lecture
1 st week of March 2024	Characteristics of a good salesman, types of selling situations, types of salespersons, Career opportunities in selling, Measures for making selling an attractive career	Chalk & Board/Pdf lecture
2 nd week of March 2024	Unit II: Buying Motives Concept of motivation, Maslow's theory of need hierarchy; Dynamic nature of motivation;	Chalk & Board/Pdf lecture
3 rd week of March 2024	Buying motives and their uses in personal selling	Chalk & Board/Pdf lecture
4 th week of March 2024	Unit III: Selling Process Prospecting and qualifying; Pre-approach; Approach; Presentation and demonstration;	Chalk & Board/Pdf lecture

	handling of objections and complaints; Closing the sale;	
5 th week of March 2024	techniques for closing the sale; Customer Relations, follow up and Dealing customer concerns and complaints	Chalk & Board/Pdf lecture
1 st week of April 2024	Unit IV: Sales Planning and Control Theories of Selling - Traditional and Modern: AIDAS Model of Selling,	Chalk & Board/Pdf lecture
2 nd week of April 2024	Problem Solving Approach, Right Set of Circumstances Theory and Modern Sales Approaches.	Chalk & Board/Pdf lecture
3 rd week of April 2024	Sales Forecasting, Sales Budget, Sales Territories, Sales quota, Ethical aspects of Selling	Chalk & Board/Pdf lecture
4 th week of April 2024	Unit V: Sales Reports Reports and documents; sales manual, Order Book, Cash Memo; Tour Diary,	Chalk & Board/Pdf lecture
1 st week of June 2024	Daily and Periodical Reports; Ethical aspects of Selling	
2 nd week of June 2024	Class test on Topic covered till date	Class Test
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

Banwarilal Bhalotia College, Asansol
Department of Commerce
 Curriculum/Teaching Plan for **Odd Semesters** of the Academic Year 2023-2024



Name of Teacher/Course Instructor: **Ms. Saroj Mahato**

1st Semester (Hons.)

Subject- Principles of Management
Paper Type: Minor (Fixed for B. Com)

Code:

F.M-100(ES 70+CA 30)

Assigned Classes: - One Class per Week

Expected Time Span	Unit	Topic Covered	Teaching Method
1 st week of August 2023	Unit II (Planning and Decision Making)	Concept and Definition of Planning, Features and Importance of Planning. Principles of Planning	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of August 2023		Planning Premises, Steps involved in the Planning Process, Advantages and Limitations of Planning,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of August 2023		Concepts and Nature of Decision making	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of August 2023		Principles of Decision Making, Relationship	Chalk & Board/Pdf lecture/Video Lecture (Study Material will

		between Planning & Decision Making.	be supplied after completion of the topics)
4th week of August 2023	Assignment Based Exam covering the whole unit syllabus		Through Copy
5 th week of August 2023	Unit III (Organizing)	Concept and Definition of Organizing, Importance and Functions of Organizing, Principles of Organizing,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of September 2023		Span of Organizing and important concept	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023		Decentralization and Delegation of Authority	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023		Concept of Organizational Design, Factors affecting Organizational Design;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
5 th week of September 2023		Organizational Structures, Formal & Informal Organization	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2nd week of October 2023		Assignment Based Exam covering the whole unit syllabus	
2 nd week of October 2023	Unit-VI (Controlling)	Meaning and Importance of Controlling, Steps of	Chalk & Board/Pdf lecture/Video Lecture (Study Material will

		Controlling, Principles of Controlling;	be supplied after completion of the topics)
3 rd week of October 2023		Concept of Feedback and Feedforward Control, Relationship between Planning and Controlling,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of October	Assignment Based Exam covering the whole unit syllabus		Through Copy
1 st week of November 2023	Unit-VI (Controlling)	Modern Tools of Controlling. Limitations of Controlling	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of November 2023	Unit VII (Company Management)	Concept of Corporate Management, Directors and their Functions, Appointment, Qualifications of Company Directors,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023		Power, Duties & Responsibilities of Directors. Different types of Directors,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
5 th week of November 2023		Concepts about different types of Company Meetings.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Assignment Based Exam covering the whole unit syllabus		Through Copy
4 th week of December	Computerised test exam (MCQ) of the whole unit		Computer based

3rd Semester (Hons.)

Course Name: - HUMAN RESOURCE MANAGEMENT (CC-5)

Course Name - BCOMHC301

Unit I: Introduction, **Unit IV:** Compensation Job evaluation, **Unit V:** Employee Maintenance and Emerging Issues in HRM

Assigned Classes: - One Class per Week

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit-I: Introduction Meaning, importance, and scope of HRM; functions	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Evolution of HRM	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	Status, and competencies of HR manager	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
5 th week of September 2023	Human Resource Planning - quantitative and qualitative dimensions;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	Job analysis—job description and job specification; HR Policies.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2nd week of October 2023	Class test on Topic covered till date	Text Copy
3 rd week of October 2023	Unit IV: Compensation Job Evaluation; Compensation—concept and policies, base and supplementary compensation	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

4 th week of October 2023	performance linked compensation— individual, group, and organization level.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1st week of November 2023	Class test on Topic covered till date	Test Copy
2 nd week of November 2023	Unit V: Employee Maintenance and Emerging Issues in HRM; Employee health and safety, employee welfare, social security (excluding legal provisions);	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023	Grievance handling and redressal,	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
5 th week of November 2023	Industrial disputes and settlement machinery	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Emerging issues and challenges of HRM— employee empowerment, downsizing, work-life balance.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3rd week of December	Class test on Topic covered till date	Test Copy
4 th week of December 2023	Revision class	Chalk & Board
2 nd week of January 2024	Computerised test exam (MCQ) of the whole unit	Computer based

3rd Semester (Hons.)

Course Name: INCOME TAX LAW AND PRACTICE (CC-6)

Course Code: - BCOMHC302

Assigned Syllabus: -**Unit1: Introduction, Unit 5: Preparation of Return of Income Filing of returns**

Assigned Classes: - [One Class per Week](#)

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit1: Basic concepts Income; Agricultural income; Person; Assesses;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Assessment year; Previous year; Gross Total Income; Total income; Maximum marginal rate of tax	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	Class test on Topic covered till date	Test Copy
2 nd week of October 2023	Residential status: Scope of total income on the basis of residential status Permanent Account Number	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023	Practice Set	Chalk & Board/Pdf
2 nd week of November 2023	Exempted income under section 10.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023	Class test on Topic covered till date	Test Copy
5 th week of November 2023	Unit 5: Preparation of Return of Income Filing of returns: Manually, on-line filing of Returns of Income & TDS	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

2 nd week of December 2023	Practice Set	Chalk & Board/Pdf
3 rd week of December 2023	Provision & Procedures of Compulsory on-line filing of returns for salaried employee	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of December 2023	Class test on Topic covered till date	Test Copy
2 nd week of January 2024	Computerised test exam (MCQ) of the whole unit	Computer based

3rd Semester (Hons.)

Course Name: MANAGEMENT PRINCIPLES AND APPLICATIONS (CC-7)

Course Code: - BCOMHC303

Assigned Syllabus: - Unit II: Planning Organizational Objective Setting, Unit III: Organizing Division of Labor; Decentralization and Delegation, Unit V: Salient Developments and Contemporary Issues in Management

Assigned Classes: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit II: Planning Organizational objective setting; Decision Making: environment (certainty, risk, uncertainty), and techniques for individual and group decision-making;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Forecasting and Scheduling; Planning vis-à-vis Strategy- meaning and elements of environment of business firm –micro (immediate),	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	macro (intermediate e.g., industry), macro (domestic); Industry structure, Business-level strategic planning.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

2 nd week of October 2023	Unit III: Organizing Division of Labor; Decentralization and Delegation;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023	Organizational forms (Mintzberg); Factors affecting organizational design; Departmentalization;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of November 2023	Staffing as a function; Organizational structures and Organograms- traditional and modern - comparative suitability and changes over time, formal-informal organizations 'interface	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023	Class test on Topic covered till date	Assignment via google form
5 th week of November 2023	Unit V Salient Developments and Contemporary Issues in Management challenges of the 21st Century	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Factors reshaping and redesigning management purpose, performance and reward perceptions	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of December 2023	internationalization; Digitalization; Entrepreneurship & innovation; Values & ethics	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of December 2023	Workplace diversity; Democracy and Sociocracy; Subaltern management ideas from India holistic purpose and measures of firm performance	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of January 2024	Class test on Topic covered till date	Test Copy

2 nd week of January 2024	Computerised test exam (MCQ) of the whole unit	Computer based
--	---	----------------

3rd Semester (Hons.)

Course Name: - E-COMMERCE (SEC-1)

Course Code: - BCOMHACCSE301

Assigned Syllabus: - Unit1: Introduction, Unit 2: Internet in E-Commerce, Unit 3:
Security and Encryption

Assigned Classes: - One class per week

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit1 E-Commerce-meaning, nature, concepts, types; E-Commerce vs. Traditional business mechanism; Goal of E-Commerce;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Advantages and Disadvantages of E- Commerce; E-Commerce business models: B2B model, B2C Model, C2C model, and C2B model.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	B2B model, B2C Model, C2C model and C2B model.	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
1 st week of November 2023	Unit 2: World Wide Web's; Internet Services; Internet Software; Common Gateway Interface;	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of November 2023	Network Access Equipment; Broadband Telecommunications	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)

4 th week of November 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
5 th week of November 2023	Unit 3: The e-commerce security environment: (dimension, definition and scope of e-security), security threats in the E-commerce environment	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	security intrusions and breaches, attacking methods like hacking, sniffing, cyber-vandalism, etc	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
3 rd week of December 2023	technology solutions (Encryption, security channels of communication, protecting networks, and protecting servers and clients)	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
4 th week of December 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
2 nd week of January 2024	Computerised internal exam	Computer based

5th Semester (Hons.)

Course Name: - **PRINCIPLES OF MARKETING (BCOMHC501)**

Assigned Syllabus: - **Unit I (a)Introduction to Marketing, Unit IV Pricing Decisions**

Assigned Classes: - **Two classes per week**

Expected Time Span	Topic Covered	Teaching Method
2 nd week of August 2023	Unit I (a) Introduction to Marketing: Meaning, Nature, Scope and Importance;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
3 rd week of August 2023	Core concepts of marketing; Marketing Philosophies;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
4 th week of August 2023	Services Marketing: Meaning and distinctive characteristics;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)

5 th week of August 2023	Marketing Mix.	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
2 nd week of September 2023	(b)Marketing Environment: Need for study marketing environment; Micro environmental factors- company, suppliers, marketing intermediaries, customers, competitors, public;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Macro environmental factors – demographic, economic, natural, technological, politico-legal, and socio-cultural	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
4 th week of September 2023	Unit IV Pricing Decisions: Objectives; Factors affecting the price of a product; Pricing methods; Pricing strategies;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
5 th week of September 2023	Ethical issues in pricing decisions. Distribution Decisions: Channels of distribution types and functions.	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
2 nd week of October 2023	Delivering value- factors affecting the choice of distribution channel; Distribution strategies;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
3 rd week of October 2023	Distribution logistics – concept, importance, and major logistics decisions;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
4 th week of October 2023	Wholesaling and retailing; Types of retail formats;	Chalk & Board/Pdf/lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
4 th week of December 2023	Computerised test exam (MCQ) of the whole unit	Computer based

3rd Semester (Prog.)

Course Name: **Income Tax Law and Practice (C-6)**

Course Code: **BCOMPC302**

Assigned Syllabus: - **Unit 1: Basic concepts, Unit 5: Preparation of Return of Income**

Assigned Classes: - **One Class per week**

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit1: Basic concepts Income; Agricultural income; Person; Assesses;	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Assessment year; Previous year; Gross Total Income; Total income; Maximum marginal rate of tax	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	Practical Set	Chalk & Board/Pdf
2 nd week of October 2023	Residential status: Scope of total income on the basis of residential status Permanent Account Number	Chalk & Board/Pdf lecture/Video Lecture (Study Material will be supplied after completion of the topics)
1 st week of November 2023	Practical Set	Chalk & Board/Pdf
2 nd week of November 2023	Exempted income under section 10.	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
4 th week of November 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
5 th week of November 2023	Unit 5: Preparation of Return of Income Filing of returns: Manually, on-line filing of Returns of Income & TDS	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
2 nd week of December 2023	Provision & Procedures of Compulsory on-line filing of returns for salaried employee	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)

3 rd week of December 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
2 nd week of January 2024	Computerised test exam (MCQ) of the whole unit	Computer based

3rd Semester (Prog.)

Course Name: **Computer Applications in Business (SE-1)**

Course Code: **BCOMPSE301**

Assigned Syllabus: - **Unit1: Data Processing, Networking and Recent trends in computing, Unit II: Word Processing (Practical), Unit III: Preparing Presentations (Practical)**

Assigned Classes: - **Two classes per week**

Expected Time Span	Topic Covered	Teaching Method
2 nd week of September 2023	Unit1 Computing: Concept of computing, Data and information; Computing Interfaces: GUI, CLI, Touch Interface, NLI; data processing; applications of computers in business. Computer Networks: Meaning of computer network; objectives/ needs for networking; Applications of networking; Basic Network Terminology; Types of Networks;	Computer Lab/ Projector/ Chalk Board
3 rd week of September 2023	Network Topologies; Distributed Computing: Client Server Computing, Peer- to- peer Computing; Wireless Networking; Securing Networks: firewall. Basic Internet Terminology: I.P. Address, Modem, Bandwidth, Routers, Gateways, Internet Service Provider (ISP),	Computer Lab/ Projector/ Chalk Board

4th week of September 2023	World Wide Web (www), Browsers, Search Engines, Proxy Server, Intranet and Extranet; Basic Internet Services; Internet Protocols: TCP/IP, FTP, HTTP(s), Uses of Internet to Society; Cyber Security: Cryptography, digital signature.	Computer Lab/ Projector/ Chalk Board
2 nd week of October 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
1 st week of November 2023	Unit II Introduction to word-Processing, Word-processing concepts, Use of Templates, working with word document: Editing text, Find and replace text, Formatting, spell check, Autocorrect, Auto text;	Computer Lab/ Projector/ Chalk Board
2 nd week of November 2023	Bullets and numbering, Tabs, Paragraph Formatting, Indent, Page Formatting, Header and footer, Printing documents; Citations and Footnotes.	Computer Lab/ Projector/ Chalk Board
4 th week of November 2023	Tables: Inserting, filling and formatting a table; Inserting Pictures and Video;	Computer Lab/ Projector/ Chalk Board
5 th week of November 2023	Mail Merge: including linking with Databases and spreadsheet files	Computer Lab/ Projector/ Chalk Board
2 nd week of December 2023	Practice Class	Computer Lab
3 rd week of December 2023	Unit III Basics of presentations: Slides, Fonts, Drawing, Editing; Inserting: Tables, Images, texts, Symbols, hyperlinking,	Computer Lab/ Projector/ Chalk Board
4 th week of December 2023	Media; Design; Transition; Animation; and Slideshow. Creating Business Presentations using the above facilities	Computer Lab/ Projector/ Chalk Board
2 nd week of January 2024	Practice Class	Computer Lab

5th Semester (Prog.)

Course Name: Fundamentals of Financial Management

Course Code: BCOMHC502

Class assigned: - One per week

Unit IV: Dividend Decisions

Expected Time Span	Topic Covered	Teaching Method
2 nd week of August 2023	Unit IV: Dividend Decisions Classification of Dividends,	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
3 rd week of August 2023	Determinants of dividend Policy	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
4 th week of August 2023	Dividend Theory- Modigliani	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
5 th week of August 2023	Practice questions	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
2 nd week of September 2023	Miller Model	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Practice questions	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
3 rd week of September 2023	Residual Theory of dividend,	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
4 th week of September 2023	Cash and stock dividends; Dividend policies in practice	Chalk & Board/Pdf/ lecture (Study Material will be supplied after completion of the topics)
5 th week of September 2023	Assignment Based Exam covering the whole unit syllabus	Through Copy
4 th week of December 2023	Computerised test exam (MCQ) of the whole unit	Computer based

Banwarilal Bhalotia College, Asansol

Department of Commerce

Curriculum/Teaching Plan for **Even Semesters** of the Academic Year 2023-24



Name of Teacher/Course Instructor: Ms. Saroj Mahato

2nd Semester (Hons.)

Subject - Principles of Marketing Management

Paper Type: Minor

Full Marks -100 (ES 70 + CA 30)

Assigned Class: - Two classes per week

Expected Time Span	Unit	Topic Covered	Teaching Method
3 rd week of April 2024	I: Introduction to Marketing	Meaning, Nature, Scope and Importance; Core concepts of marketing; Marketing Philosophies;	Chalk & Board/Pdf lecture
4 th week of April 2024		Services Marketing: Meaning and distinctive characteristics; Marketing Mix.	Chalk & Board/Pdf lecture
4 th week of April 2024		Class test on Topic covered till date	Assignment
1 st week of May 2024	III (a) Consumer Behaviour	Need for studying consumer behaviour; Types;	Chalk & Board/Pdf lecture
2 nd week of May 2024		Stages in Consumer buying decision process; Factors influencing consumer buying decisions.	Chalk & Board/Pdf lecture
3 rd week of May 2024	III (b) Market Selection	Choosing market value through STP. Market Segmentation- Levels and bases of segmenting consumer markets.	Chalk & Board/Pdf lecture
4 th week of May 2024		Market Targeting- concept and criteria. Product Positioning – concept and bases; Product differentiation- concept and bases.	Chalk & Board/Pdf lecture

4 th week of May 2024		Class test on Topic covered till date	Assignment
5 th week of May 2024	Unit IV (a) Product Decisions	Concept and classification; Levels of Product. Designing value- Product- mix dimensions, strategies and types;	Chalk & Board/Pdf lecture
2 nd week of June 2024		Branding- functions, strategies, types and qualities of good brand name;	Chalk & Board/Pdf lecture
3 rd week of June 2024		Packaging and Labeling- functions, types and ethical aspects; Product support services.	Chalk & Board/Pdf lecture
4 th week of June 2024	Unit IV (b) New Product Development:	Product life cycle – concept and marketing strategies;	Chalk & Board/Pdf lecture
5 th week of June		new product development- concept and process.	Chalk & Board/Pdf lecture
5 th week of June 2024	Class test on Topic covered till date		Assignment
2nd week of July	Computer Based Exam (MCQ) covering the whole unit syllabus		Computer

Subject – Macro Economics

Paper Type: MD

Full Marks - 50 (SE 35 + CA 15)

Assigned Class: - One class per week

Expected Time Span	Unit	Topic Covered	Teaching Method
3 rd week of April 2024	IV: Demand for money and Supply of money	Demand for money, Quantity Theory of Money	Chalk & Board/Pdf lecture
4 th week of April 2024		(Fisher 's Transactions approach)	Chalk & Board/Pdf lecture
4 th week of April 2024		(Fisher 's Transactions approach)	Chalk & Board/Pdf lecture
1 st week of May 2024		Keynesian theory of demand for money	Chalk & Board/Pdf lecture

2 nd week of May 2024		Keynesian theory of demand for money	Chalk & Board/Pdf lecture
3 rd week of May 2024		Baumol-Tobin Transaction approach, Tobin 's Portfolio Balance approach	Chalk & Board/Pdf lecture
4 th week of May 2024		Baumol-Tobin Transaction approach, Tobin 's Portfolio Balance approach	Chalk & Board/Pdf lecture
4 th week of May 2024		Supply of money- Measures of money supply by RBI, Money multiplier	Chalk & Board/Pdf lecture
5 th week of May 2024	Class test on Topic covered till date		Assignment
2 nd week of June 2024	Computer Based Exam (MCQ) covering the whole unit syllabus		Computer

Subject – Computer Application in Business

Paper Type: SEC

Full Marks - 50 (CA 35 + ES 15)

Assigned Class: - One class per week

Expected Time Span	Unit	Topic Covered	Teaching Method
3 rd week of April 2024	II: Word Processing (Practical)	Introduction to word Processing, Word processing concepts, Use of Templates, Working with word document: Editing text, Find and replace text, Formatting, spell check, Autocorrect, Auto text;	Class in Lab, using WhatsApp group for instruction and guide
4 th week of April 2024		Bullets and numbering, Tabs, Paragraph Formatting, Indent, Page Formatting, Header and footer,	Class in Lab, using WhatsApp group for instruction and guide

4 th week of April 2024		Tables: Inserting, filling and formatting a table; Inserting Pictures and Video;	Class in Lab, using WhatsApp group for instruction and guide
1 st week of May 2024		Mail Merge: including linking with Databases and spreadsheet files;	Class in Lab, using WhatsApp group for instruction and guide
2 nd week of May 2024		Printing documents; Citations and Footnotes. Creating Business Documents using the above facilities	Class in Lab, using WhatsApp group for instruction and guide
3 rd week of May 2024		Class test on Topic covered till date	Assignment
4 th week of May 2024	IV: Spreadsheet and its Business Applications (Practical): (a) Spreadsheet concepts,	managing worksheets; Formatting, conditional formatting, entering data, Editing, and Printing and Protecting worksheets; Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs; Working with Multiple worksheets; controlling worksheet views, naming cells and cell ranges.	Class in Lab, using WhatsApp group for instruction and guide
4 th week of May 2024	IV (b) Spreadsheet functions	Mathematical, Statistical, Financial, Logical, Date and Time, Lookup and reference,	Class in Lab, using WhatsApp group for instruction and guide

5 th week of May 2024		Database functions, Text functions and Error functions	Class in Lab, using WhatsApp group for instruction and guide
2 nd week of June 2024	IV (c)Working with Data: Sort and filter;	Consolidate; Tables; Pivot tables; What-if-analysis: Goal seek, Data tables and Scenario manager;	Class in Lab, using WhatsApp group for instruction and guide
3 rd week of June 2024		Data analysis Tool Pak: Descriptive Statistics, Moving averages, Histogram, Covariance, correlation and Regression analysis (only for projection)	Class in Lab, using WhatsApp group for instruction and guide
4 th week of June 2024	IV (d)Creating business spreadsheet:	Loan and Lease statement; Ratio Analysis; Payroll statements; Capital Budgeting; Constraint optimization, Assignment Problems, Depreciation Accounting;	Class in Lab, using WhatsApp group for instruction and guide
5 th week of June		Graphical representation of data; Frequency distribution and its statistical parameters; Correlation and Regression Analysis	Class in Lab, using WhatsApp group for instruction and guide
5 th week of June 2024	Class test on Topic covered till date		Assignment
2 nd week of July	Computer Based Exam (MCQ) covering the whole unit syllabus		Computer

4th Semester (Hons.)

Course Name: COMPUTER APPLICATIONS IN BUSINESS (C-10)

Course Code: - BCOMHC403

Assigned Syllabus: - Unit II: Word Processing (Practical)

Unit III: Preparing Presentations (Practical)

Unit IV: Spreadsheet and its Business Applications (Practical)

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit II: - Introduction to Word-Processing, Word-processing concepts, Use of Templates, working with word document: Editing text, Find and replace text, Formatting, spell check, Autocorrect, Auto text, Header and footer	Class in Lab, using WhatsApp group for instruction and guide
1 st week of March 2024	Bullets and numbering, Tabs, Paragraph Formatting, Indent, Page Formatting, Inserting, filling and formatting a table; Inserting Pictures and Video	Class in Lab, using WhatsApp group for instruction and guide
2 nd week of March 2024	Mail Merge: including linking with Databases and spreadsheet files	Class in Lab, using WhatsApp group for instruction and guide
3 rd week of March 2024	Printing documents; Citations and Footnotes. Creating Business Documents using the above facilities	Class in Lab, using WhatsApp group for instruction and guide
4 th week of March 2024	Class test on Topic covered till date	Computer Lab

Expected Time Span	Topic Covered	Teaching Method
5 th week of March 2024	Unit III Basics of presentations: Slides, Fonts, Drawing, Editing; Inserting: Tables, Images, texts, Symbols, hyperlinking, Media; Design	Presentation in class
1 st week of April 2024	Transition; Animation; and Slideshow. Creating Business Presentations using above facilities	Online class
2 nd week of April 2024	Class test on Topic covered till date	Computer Lab

Expected Time Span	Topic Covered	Teaching Method
3 rd week of April 2024	Unit IV Spreadsheet concepts, managing worksheets; Formatting, conditional	Class in Lab, using WhatsApp group for instruction and guide

	formatting, entering data, Editing, and Printing and Protecting worksheets;	
4 th week of April 2024	Handling operators in formula, Project involving multiple spreadsheets, Organizing Charts and graphs;	Class in Lab, using WhatsApp group for instruction and guide
1 st week of May 2024	Working with Multiple worksheets; controlling worksheet views, naming cells and cell ranges.	Class in Lab, using WhatsApp group for instruction and guide
2 nd week of May 2024	Spreadsheet functions: Mathematical, Statistical, Financial, Logical, Date and Time, Lookup and reference, Database functions, Text functions and Error functions	Class in Lab, using WhatsApp group for instruction and guide
3 rd week of May 2024	Sort and filter; Consolidate; Tables; Pivot tables; What-if-analysis: Goal seek, Data tables and Scenario manager	Class in Lab, using WhatsApp group for instruction and guide
4 th week of May 2024	Data analysis Tool Pak: Descriptive Statistics, Moving averages, Histogram, Covariance,	
2 nd week of June 2024	correlation and Regression analysis (only for projection).	
3 rd week of June 2024	Class test on Topic covered till date	Computer Lab
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

Course Name: Indian Economy (GE-4)

Course Code: BCOMHGE401

Assigned Syllabus: - Unit 3: Industry

Unit-4: Financial Sector

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit 3 Public Sector – Role, Performance and reforms, Public Sector Vs Private sector, New Industrial Policy	Chalk & Board/Pdf lecture
1 st week of March 2024	Small scale sector, cottage and MSME-importance and problems, Role of foreign capital	Chalk & Board/Pdf lecture
2 nd week of March 2024	Class test on Topic covered till date	Class Assignment

3 rd week of March 2024	Unit-4 Foreign Trade and balance of Payments: Structural Changes and Performance of India 's Foreign Trade and	Chalk & Board/Pdf lecture
4 th week of March 2024	Balance of Payments; Trade Policy Debate;	Chalk & Board/Pdf lecture
5 th week of March 2024	Export policies and performance	Chalk & Board/Pdf lecture
1 st week of April 2024	India and the WTO,	Chalk & Board/Pdf lecture
2 nd week of April 2024	Role of FDI	Chalk & Board/Pdf lecture
3 rd week of April 2024	Capital account convertibility., foreign trade and BOP	Chalk & Board/Pdf lecture
4 th week of April 2024	Globalization	Chalk & Board/Pdf lecture
1 st week of June 2024	GATT, IMF, IBRD	
2 nd week of June 2024	Class test on Topic covered till date	Class Assignment
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

Course Name: ENTREPRENEURSHIP DEVELOPMENT (SE-2)

Course Code: BCOMHSE401

Assigned Syllabus: - Unit III: Entrepreneurial Sustainability

Unit IV: Entrepreneurial Process

Unit V: Managerial Aspects of Business

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit III Social support system for entrepreneurship, public and private system of stimulation; Availability of finance, marketing, technological and managerial support systems	Chalk & Board/Pdf lecture

1 st week of March 2024	Role of industries association; Entrepreneurs 'self-help group, trade and industry associations; Existence of business incubators	Chalk & Board/Pdf lecture
2 nd week of March 2024	Availability of venture capital and angel investors support system; Private equity funds; Startup Action Plan; Make in India initiative	Chalk & Board/Pdf lecture
3 rd week of March 2024	Class test on Topic covered till date	Class Assignment
4 th week of March 2024	Unit IV Opportunity sensing and identification process, Generation of business ideas, feasibility analysis of business ideas	Chalk & Board/Pdf lecture
5 th week of March 2024	preparation of a business plan, a project report on specific business proposal; Project appraisal and its techniques.	Chalk & Board/Pdf lecture
1 st week of April 2024	Class test on Topic covered till date	Class Assignment
2 nd week of April 2024	Unit V Managing finance, understanding of capital-mix; Management of human resources of a new enterprise;	Chalk & Board/Pdf lecture
3 rd week of April 2024	Adopting a marketing strategy for sustaining new venture	Chalk & Board/Pdf lecture
4 th week of April 2024	Managing assets (cash management), relationship management; Managing family business, Understanding cost management	Chalk & Board/Pdf lecture
1 st week of June 2024	New Business Idea Development and Proposal Writing (For Internal Examination)	Chalk & Board/Pdf lecture
2 nd week of June 2024	Class test on Topic covered till date	Class Assignment
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

4th Semester (Prog.)

Course Name: Indirect Tax Laws and Practice

Course Code: BCOMPC402

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
--------------------	---------------	-----------------

4 th week of February 2024	Unit IV Registration; Tax Invoice; Credit and debit notes; Returns, Audit in GST	Chalk & Board/Pdf lecture
1 st week of March 2024	Assessment: Self-assessment; Summary and scrutiny; Taxability of e-Commerce	Chalk & Board/Pdf lecture
2 nd week of March 2024	Anti-profiteering; Avoidance of dual control	Chalk & Board/Pdf lecture
3 rd week of March 2024	e-way bills; Zero-rated supply	Chalk & Board/Pdf lecture
4 th week of March 2024	Offences and penalties; Appeals	Chalk & Board/Pdf lecture
5 th week of March 2024	Class test on Topic covered till date	Class Assignment
1 st week of April 2024	Unit V Basic concepts; Territorial waters; High seas	Chalk & Board/Pdf lecture
2 nd week of April 2024	Types of custom duties	Chalk & Board/Pdf lecture
3 rd week of April 2024	Valuation	Chalk & Board/Pdf lecture
4 th week of April 2024	Baggage rules & exemptions	Chalk & Board/Pdf lecture
1 st week of June 2024	Class test on Topic covered till date	Assignment
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

Course Name: E-COMMERCE

Course Code: BCOMPSE401

Assigned Syllabus: - Unit I: Introduction to E- Commerce

Unit II: Online Business Transactions

Assigned Class: - One class per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit I Concepts and significance of E-commerce, driving forces of E-commerce	Chalk & Board/Pdf lecture
1 st week of March 2024	E-commerce business models - key elements of a business model and categories	Chalk & Board/Pdf lecture

2 nd week of March 2024	Mechanism Dynamics of World Wide Web and internet- evolution and features	Chalk & Board/Pdf lecture
3 rd week of March 2024	Design and launch of E-commerce website - decisions regarding Selection of hardware and software;	Chalk & Board/Pdf lecture
4 th week of March 2024	Outsourcing vs in house development of a website	Chalk & Board/Pdf lecture
5 th week of March 2024	Class test on Topic covered till date	Assignment
1 st week of April 2024	Unit II Rationale of transacting online, E-commerce applications in various industries	Chalk & Board/Pdf lecture
2 nd week of April 2024	e-marketing, e-tailing, online services, e-auctions, online portal	Chalk & Board/Pdf lecture
3 rd week of April 2024	online learning, e-publishing and e-entertainment, online shopping.	Chalk & Board/Pdf lecture
4 th week of April 2024	Class test on Topic covered till date	Assignment
4 th week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

6th semester B. Com. (Hons.)

Course Name: Auditing and Corporate Governance

Course Code: BCOMHC601

Assigned Syllabus: - Unit I: Introduction

Assigned Class: - One classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit I Basic Principles and Techniques of Auditing	Chalk & Board/Pdf lecture
1 st week of March 2024	Audit Planning	Chalk & Board/Pdf lecture
2 nd week of March 2024	Classification of Audit	Chalk & Board/Pdf lecture

3 rd week of March 2024	Internal Control – Internal Check and Internal Audit	Chalk & Board/Pdf lecture
4 th week of March 2024	Role of Auditors in corporate governance	Chalk & Board/Pdf lecture
5 th week of March 2024	Peer review and independent review of Audit	Chalk & Board/Pdf lecture
1 st week of April 2024	Public Company Accounting Oversight Board (PCAOB);	Chalk & Board/Pdf lecture
2 nd week of April 2024	National Financial Reporting Authority (NFRA)	Chalk & Board/Pdf lecture
3 rd week of April 2024	Basic Consideration of Audit in EDP Environment:	Chalk & Board/Pdf lecture
4 th week of April 2024	Computer Aided Audit Techniques and Tools	Chalk & Board/Pdf lecture
1 st week of June 2024	Class test on Topic covered till date	Assignment
2 nd week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

Course Name: Indirect Tax Laws

Course Code: BCOMHC602

Assigned Syllabus: - **Unit 4: Procedures and Special Provisions under GST**

Unit 5: Customs Law

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	Unit IV Registration; Tax Invoice; Credit and debit notes; Returns, Audit in GST	Chalk & Board/Pdf lecture
1 st week of March 2024	Assessment: Self-assessment; Summary and scrutiny; Taxability of e-Commerce	Chalk & Board/Pdf lecture
2 nd week of March 2024	Anti-profiteering; Avoidance of dual control	Chalk & Board/Pdf lecture
3 rd week of March 2024	e-way bills; Zero-rated supply	Chalk & Board/Pdf lecture
4 th week of March 2024	Offences and penalties; Appeals	Chalk & Board/Pdf lecture
5 th week of March 2024	Class test on Topic covered till date	Assignment
1 st week of April 2024	Unit V Basic concepts; Territorial waters; High seas	Chalk & Board/Pdf lecture

2 nd week of April 2024	Types of custom duties	Chalk & Board/Pdf lecture
3 rd week of April 2024	Valuation	Chalk & Board/Pdf lecture
4 th week of April 2024	Baggage rules & exemptions	Chalk & Board/Pdf lecture
1 st week of June 2024	Class test on Topic covered till date	Assignment
2 nd week of June 2024	Computerised test exam (MCQ) of the whole unit	Computer based

6th semester (Hons. and Program)

Course Name: Computerised Accounting

Course Code: BCOMHACDSE603

Assigned Syllabus: - **UNIT I: Maintaining chart of accounts in ERP**

UNIT III: Recording day-to-day transactions in ERP

Assigned Class: - Two classes per week

Expected Time Span	Topic Covered	Teaching Method
4 th week of February 2024	UNIT I Introduction-Getting Started with ERP - Mouse/Keyboard Conventions	Class in Lab, using WhatsApp group for instruction and guide
1 st week of March 2024	Company Creation-Shut a Company-Select a Company-Alter Company Details	Class in Lab, using WhatsApp group for instruction and guide
2 nd week of March 2024	Company Features and ConfigurationsF11: Company Features-F12	Class in Lab, using WhatsApp group for instruction and guide
3 rd week of March 2024	Configuration-Chart of Accounts-Ledger-Group-Ledger Creation Single Ledger Creation-Multi Ledger Creation-Altering and Displaying Ledgers-Group Creation	Class in Lab, using WhatsApp group for instruction and guide
4 th week of March 2024	Single Group Creation-Multiple Group Creation-Displaying Groups and Groups-Display of Ledgers-Deletion of Groups and Ledgers – P2P procure to page.	Class in Lab, using WhatsApp group for instruction and guide

5 th week of March 2024	Class test on Topic covered till date	Computer Lab
1 st week of April 2024	UNIT III Introduction-Business Transactions-Source Document for Voucher-Recording Transactions in ERP	Class in Lab, using WhatsApp group for instruction and guide
2 nd week of April 2024	Accounting Vouchers-Receipt Voucher (F6)-Contra Voucher (F4)-Payment Voucher (F5)-Journal Voucher (F7).	Class in Lab, using WhatsApp group for instruction and guide
3 rd week of April 2024	Purchase Voucher (F9)-Sales Voucher (F8)-Debit Note Voucher-Credit Note (Ctrl+F8)	Class in Lab, using WhatsApp group for instruction and guide
4 th week of April 2024	Class test on Topic covered till date	Computer Lab
2 nd week of June 2024	Computerised internal exam	Computer based

Banwarilal Bhalotia College, Asansol

Department of Geography (Hindi Shift)

Curriculum/Teaching Plan for **Odd Semester** of the Academic Year 01/09/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Manas Pal

Honours Course

5th Semester

Course Name: Regional Planning and Sustainable Development
Field Techniques, Surveying and Research Methods
Geography of West Bengal
Population Geography

Course Code: CC-11, CC-12, DSE-1, DSE-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September, 2023</i>	Theories and Models for Regional Planning: Myrdal, Hirschman, Rostow and Friedman;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2023</i>	Growth Pole Model of Perroux; Village Cluster	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September, 2023</i>	Meaning, Significance, Types and Approaches to Research in Geography; Literature review; Field Work in Geographical Studies –Defining the Field and Identifying the Case Study of Regional Planning	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Research Design: Identification of Research Problem; Research questions. Data Collection: Type and Sources of	Chalk board/ppt/pdf lectures/video lectures (study materials will be

	Data; Methods of Collection; Data Analysis, Data Representation Techniques	supplied after completion of the topics)
<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Surveying Use of Field Tools: Theodolite	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Population Composition and Characteristics – Age-Sex Composition; Rural and Urban Composition; Literacy (Economic, Social and Environmental)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	Economy of West Bengal: Irrigation and Agriculture, Mining, Industries and transport development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Developmental Problems and Potentials of West Bengal: Deforestation and Joint Forest Management, Special Economic Zones, Regional Dimension of Human Development Financing for Sustainable Development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of December, 2023</i>	Population Geography, Demography and Population Studies: Defining the Field, Nature and Scope; Sources of Data with special reference to India (Census, Vital Statistics and NSS)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

3rd Semester

Course Name: Climatology and Oceanography
Geography of India
Fundamentals of Remote Sensing
Geographical Techniques

Course Code: CC-5, CC-6, CC-7, SEC-1

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September, 2023</i>	Cyclones: Tropical Cyclones, Temperate Cyclones; Monsoon - Origin and Mechanism with special reference to Jet Stream; El Nino and La Nina	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2023</i>	Ocean Floor Topography: Pacific and Atlantic Ocean; Oceanic water Movements: Ocean Waves, Currents	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September, 2023</i>	Tides (Theories of origin: Progressive wave theory and stationary wave theory)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Economic Geography of India: Mineral and Power Resources: Distribution and Utilization of Iron Ore, Coal, Petroleum, Natural Gas	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Agricultural Production and Distribution of Rice, Wheat, Jute, Tea, Cotton	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Concept of Aerial Photography and Satellite Remote Sensing: Principles, Types and Geometry of Aerial Photograph; Satellites – geostationary and remote sensing (Landsat and IRS) and Sensors, Resolution (Spectral, spatial and temporal)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Measurement of soil nutrient (NPK) and Soil pH by using soil kit	Chalk board/ppt/pdf lectures/video lectures

		(study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	Preparation of Climatic Graphs and Charts: Taylor's Climograph, Hythergraph	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Star Diagram and Ergograph	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of December, 2023</i>	Assignment on Indian Monsoon or Coral Reefs.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

1st Semester

Course Name:

Course Code: MAJOR 1, SEC-1

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of September, 2023</i>	Earth as a Planet: Theories on the origin of the Earth (Immanuel Kant and Pierre-Simon Laplace)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Earth as a Planet: Theories on the origin of the Earth (Immanuel Kant and Pierre-Simon Laplace)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Continental drift and seafloor spreading with special reference to Paleomagnetism; Isostasy (Models of Airy, Pratt and their applicability)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Survey of India topographical maps: History, indexing vis-a-vis scale (old and open series); Information on the margin of maps	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Extraction and interpretation of geomorphic information from topographical maps of plateau region (Open and Defence Series maps, RF 1:50k): Construction and interpretation of relief (superimposed, projected and composite) profiles and river profiles (cross and longitudinal)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	River profiles (cross and longitudinal)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Delineation of drainage basins, stream ordering (Horton and Strahler) and bifurcation ratio on a drainage basin	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>1st week of December, 2023</i>	Development of river network and landforms on uniclinal and folded structures	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week & 3rd Week of December, 2023</i>	Earth's biosphere: Major Biomes of the world (Tropical Rainforest, Temperate Grassland and Tundra); Classification of forest (Champion)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Hindi Shift)

Curriculum/Teaching Plan for **Even Semester** of the Academic Year 01/09/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Manas Pal

Honours Course

6th Semester

Course Name: Evolution of Geographical Thought
Disaster Management Project Work
Biogeography
Urbanization and Urban System

Course Code: CC-13, CC-14, DSE-3, DSE-4

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of January, 2024</i>	Paradigms and Paradigm shift in Geography: Quantitative to Critical Revolution	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of February, 2024</i>	Paradigms and Paradigm shift in Geography: Modernism to Post Modernism	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of February, 2024</i>	Introduction to Bio-geography: Nature, scope, and contents	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of February, 2024</i>	Introduction to Bio-geography: Nature, scope, and contents	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of February, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of March, 2024</i>	Biodiversity; bio-diversity hotspots,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Biodiversity conservation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Tiger and elephant conservation in India	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Patterns of Urbanisation in India, Developed and Developing countries	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Patterns of Urbanisation in India, Developed and Developing countries	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	The Project Report on field-based case study of Landslide	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	The Project Report on field-based case study of Landslide	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

4th Semester

Course Name: Introduction to Global Economic System
Environment and Natural Resource Management
Digital Remote Sensing
Thematic Atlas

Course Code: CC-8, CC-9, CC-10, SEC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of February, 2024</i>	Primary Activities: Types of Agriculture	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of February, 2024</i>	Forestry, Fishing and Mining activities	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of March, 2024</i>	Natural Resource: Concept, Classification; Distribution, Utilisation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of March, 2024</i>	Problems and Management of Land, Water, Forests and Energy	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Conservation of Environment and Natural Resources with special reference to Soil	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Conservation of Environment and Natural Resources with special reference to Water, Forest	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Sustainable Resource Development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd week of April, 2024</i>	Application of Digital Remote Sensing: Land Use /Land Cover Mapping and Interpretation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Application of Digital Remote Sensing: Land Use /Land Cover Mapping and Interpretation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Application of Digital Remote Sensing: Land Use /Land Cover Mapping and Interpretation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Thematic Mapping Techniques – Properties, Uses and Limitations; Areal Data -Choropleth, Dot, Proportional Sphere; Isoleths map	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Thematic Mapping Techniques – Properties, Uses and Limitations; Areal Data -Choropleth, Dot, Proportional Sphere; Isoleths map	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

2nd Semester

Course Name: Fundamentals of Human Geography
Elementary Practicals in Human Geography

Course Code: MAJOR 2, SEC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of March, 2024</i>	Nature, scope and recent trends; Development and branches of human geography	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Nature, scope and recent trends; Development and branches of human geography	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Space and Society: Concept of culture and its components	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of April, 2024</i>	Innovation, diffusion and convergence of culture	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Poverty and inequality: Concept, causes and consequences	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Food Security in Indian context	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Indicators of social well-being; Human development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of May, 2024</i>	Study of correlation between physical and cultural features from Survey of India 1:50k topographical maps using transect chart and scatter plots	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of May, 2024</i>	Study of correlation between physical and cultural features from Survey of India 1:50k topographical maps using transect chart and scatter plots	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Hindi Shift)

Curriculum/Teaching Plan for **Odd Semester** of the Academic Year 01/09/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Ms. Sohini Neogy

Honours Course

5th Semester

Course Name: Regional Planning and Sustainable Development
Field Techniques, Surveying and Research Methods
Geography of West Bengal
Population Geography

Course Code: CC-11, CC-12, DSE-1, DSE-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September, 2023</i>	Choice of a Region for Planning; Characteristics of Planning Region; Delineation of Planning Region; Regionalization of India for Planning, Agro- Ecological Zones	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2023</i>	Field Techniques – Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non-Participant), Questionnaires (Open/ Closed / Structured / Nonstructured)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September, 2023</i>	Surveying Use of Field Tools: Dumpy level, Prismatic Compass,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report	Chalk board/ppt/pdf lectures/video lectures (study materials will be

		supplied after completion of the topics)
<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Surveying Use of Field Tools: Dumpy level, Prismatic Compass,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Physiography of West Bengal: Physiography and Broad Physiographic Division, Climate, Drainage System and Ground Water, Soil and Forest resources of Regional Planning	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Developmental Perspective of Special Regions in West Bengal: Darjeeling Hill Region, Paschimanchal Region, Sundarban Region	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	Population Dynamics: Fertility, Mortality and Migration – Measures, Determinants and Implications	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Contemporary Issues – Ageing of Population; Child labour; Declining Sex Ratio	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of December, 2023</i>	Assignment on contemporary population issue in India.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

3rd Semester

Course Name: Climatology and Oceanography
Geography of India
Fundamentals of Remote Sensing
Geographical Techniques

Course Code: CC-5, CC-6, CC-7, SEC-1

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September, 2023</i>	Atmospheric Pressure and Winds: Planetary Winds, Forces affecting Winds, General Circulation of Air, Jet Streams;	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2023</i>	Atmospheric Moisture: Evaporation, Humidity, Condensation, Fog and Clouds, Precipitation Types, Stability and Instability; Climatic Classification after Koppen and Thornthwaite (1948)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September, 2023</i>	Population of India: Age-sex Structure; Growth and Distribution of Population; Distribution of Population by Race, Caste, Religion, Language, Tribes and their Correlates	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Spatial Patterns of Industrial Development of India: Automobile and Information Technology	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Geological map: Analysis of geological maps (Horizontal, Uniclinal and folded structure along with intrusions and unconformities)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Land use/ Land Cover Mapping: Visual Interpretation of Aerial photographs and Satellite Images	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Geological map: Analysis of geological maps (Horizontal, Uniclinal and folded	Chalk board/ppt/pdf lectures/video lectures (study materials will be

	structure along with intrusions and unconformities)	supplied after completion of the topics)
<i>4th week of November, 2023</i>	Application of Remote Sensing: Forests Monitoring, Water Resources and Natural hazards.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Land use/ Land Cover Mapping: Visual Interpretation of Aerial photographs and Satellite Images	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of December, 2023</i>	Assignment on one macro physiographic region of India.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

1st Semester

Course Name:

Course Code: MAJOR 1, SEC 1

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of September, 2023</i>	The Solid Earth: Earth's tectonic and structural evolution through geological timescales; Basics of Geochronology	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Earth's atmosphere: Insolation; Pressure belts; Planetary wind system; Greenhouse effect and global warming	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Morphometric techniques in 10 cm x 12 cm area: Relative Relief (after G.H. Smith, 1935), Average Slope (after C.K. Wentworth, 1930)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Drainage Density and Stream Frequency (after R.E. Horton, 1945)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Basic concepts of Geomorphology (W.D. Thornbury); Scales in Geomorphology	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	Degradational processes: Weathering, mass wasting and resultant landforms	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Models of landscape evolution: Views of Davis, Penck, and Hack	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of December, 2023</i>	Development of river network and landforms on uniclinal and folded	Chalk board/ppt/pdf lectures/video lectures (study materials will be

	structures and Coastal processes and landforms	supplied after completion of the topics)
<i>2nd week & 3rd Week of December, 2023</i>	Earth's pedosphere: Concept of Zonal, Azonal and Intrazonal Soil; Soil erosion and conservation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Hindi Shift)

Curriculum/Teaching Plan for **Even Semester** of the Academic Year 01/09/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Ms. Sohini Neogy

Honours Course

6th Semester

Course Name: Evolution of Geographical Thought
Disaster Management Project Work
Biogeography
Urbanization and Urban System

Course Code: CC-13, CC-14, DSE-3, DSE-4

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of January, 2024</i>	Biogeographical regions of the world	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of February, 2024</i>	Recent Trends –Systems Approach	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of February, 2024</i>	Radicalism, Feminism	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of February, 2024</i>	Functional classification of cities: Quantitative	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of February, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of March, 2024</i>	Concept of Space in Geography, Future of Geography	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Cities and Central Place Theory: Christaller	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Cities and Central Place Theory: Lösch	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Functional classification of cities: Qualitative Methods	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Bio Geography- Class Test	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	The Project Report on field-based case study of Landslide	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	The Project Report on field-based case study of Landslide	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

4th Semester

Course Name: Introduction to Global Economic System
Environment and Natural Resource Management
Digital Remote Sensing
Thematic Atlas

Course Code: CC-8, CC-9, CC-10, SEC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of February, 2024</i>	Theories: Agricultural location theory (Von Thunen)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of February, 2024</i>	Theory of Industrial location (Weber's theory)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of March, 2024</i>	Theory of Industrial location (Losch theory)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of March, 2024</i>	Secondary Activities: Global distribution of Manufacturing activities (Cotton Textile, Iron and Steel)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Secondary Activities: Global distribution of Manufacturing activities (Cotton Textile, Iron and Steel)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Diagrammatic Data Presentation – Line Graph, Bar Graph	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Proportional Circle, Pie Graph	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd week of April, 2024</i>	Digital Image Processing and Interpretation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Digital Image Processing and Interpretation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Digital Image Processing and Interpretation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Concept of Manufacturing Regions; Special Economic Zones	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Technology Parks	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

2nd Semester

Course Name: Fundamentals of Human Geography
Elementary Practicals in Human Geography

Course Code: MAJOR 2, SEC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of March, 2024</i>	Human adaptation to environment: Case studies of Eskimo and Masai; Primitive people of India (Santhal and Nagas)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Analysis of transport and settlements: Transport network analysis by detour index and Nearest neighbour analysis of settlement patterns from toposheets	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Race and ethnic groups: Concept, origin and distribution	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of April, 2024</i>	Language and religion: Origin, diffusion and distribution	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Origin and growth of rural settlements; Social morphology and rural house types in India; Types and patterns of rural settlements	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Origin and growth of urban settlements; Functional classification of urban settlements	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Morphology of urban settlements: Models of Burgess, Hoyt, Harris and Ullman	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of May, 2024</i>	Computation of Human Development Index (HDI), Multidimensional Poverty Index (MPI) and representation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of May, 2024</i>	Computation of Human Development Index (HDI), Multidimensional Poverty Index (MPI) and representation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Hindi Shift)

Curriculum/Teaching Plan for **Odd Semester** of the Academic Year 01/09/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Mr. Saurav Vishwakarma

Honours Course

5th Semester

Course Name: Regional Planning and Sustainable Development
Field Techniques, Surveying and Research Methods
Geography of West Bengal
Population Geography

Course Code: CC-11, CC-12, DSE-1, DSE-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September, 2023</i>	Concept of Region; Formal, Functional, and Planning Regions; Evolution	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2023</i>	Evolution, Need and Types of Regional Planning	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September, 2023</i>	Sustainable Development: Concept of Development and Underdevelopment	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Efficiency Equity Debate: Definition, Components and Sustainability for Development. Indicators (Economic, Social and Environmental)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Population Size, Distribution and Growth – Determinants and Patterns	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Theories of Growth – Malthusian Theory and Demographic Transition Theory; Mobility Transition Theory	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Sustainable Development Policies and Programmes: Rio+20; Goal-Based Development; Financing for Sustainable Development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	Demography of West Bengal: Population Composition (age, sex, literacy, religion and caste)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Population Growth and distribution, Urbanization (Characteristics and Pattern)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of December, 2023</i>	Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

3rd Semester

Course Name: Climatology and Oceanography
Geography of India
Fundamentals of Remote Sensing
Geographical Techniques

Course Code: CC-5, CC-6, CC-7, SEC-1

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September, 2023</i>	Atmospheric Composition and Structure: Variation with Altitude, Latitude and Season	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2023</i>	Insolation and Temperature: Factors and Distribution; Heat Budget; Temperature Inversion	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of September, 2023</i>	Ocean Salinity and Temperature: Distribution and Determinants; Coral Reefs (Darwin's theory); Marine Deposits and Ocean Resources	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Measurement of weather elements by Meteorological Instruments: Hygrometer, Maximum Minimum Thermometer, Fortin's barometer, Rain gauge (Simon's)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Physical Geography of India: Location, Physiographic Divisions; Characteristics and classification of Climate; Soil and Natural vegetation distribution	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Identification of rocks and minerals: granite, basalt, dolerite, pegmatite, limestone, shale, sandstone, phyllite, slate, conglomerate, laterite, marble, schist, quartzite, bauxite, gypsum, calcite, chalcopryrite, feldspar, galena, haematite, magnetite, mica, quartz and talc	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of November, 2023</i>	Regionalisation of India: Physiographic (R. L. Singh), Socio-Cultural (Sopher), Economic (Sengupta)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	Introduction to Image Processing and Data Analysis: Geo-Referencing; Editing and Output	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Introduction to Image Processing and Data Analysis: Geo-Referencing; Editing and Output	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of December, 2023</i>	Identification of rocks and minerals: granite, basalt, dolerite, pegmatite, limestone, shale, sandstone, phyllite, slate, conglomerate, laterite, marble, schist, quartzite, bauxite, gypsum, calcite, chalcopyrite, feldspar, galena, haematite, magnetite, mica, quartz and talc	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

1st Semester

Course Name:

Course Code: MAJOR 1, SEC 1

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of September, 2023</i>	Thermal and physical state of the Earth's interior with special reference to seismological evidence; Genesis of earthquake; Vulcanicity and related landforms	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Earth's atmosphere: Insolation; Pressure belts; Planetary wind system; Greenhouse effect and global warming	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Earth's hydrosphere: Global hydrological cycle; Ocean circulation - major ocean currents (Atlantic and Pacific)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Concept and classification of map scales (Linear, Diagonal and Vernier)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Megascopic identification of (a) Mineral samples: Bauxite, Calcite, Chalcopryrite, Feldspar, Galena, Gypsum, Hematite, Magnetite, Mica, Quartz, Talc, Tourmaline	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	(b) Rock samples: Granite, Basalt, Dolerite, Pegmatite, Limestone, Shale, Sandstone, Conglomerate, Slate, Phyllite, Schist, Gneiss, Quartzite, Marble	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Concept and classification of map scales (Linear, Diagonal and Vernier)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of December, 2023</i>	Development of landforms on igneous rocks: Granite and basalt; Landforms	Chalk board/ppt/pdf lectures/video lectures (study materials will be

	on sedimentary rocks: Sandstones and limestones	supplied after completion of the topics)
<i>2nd week & 3rd Week of December, 2023</i>	Surface processes and landforms: Fluvial, Aeolian and fluvio-aeolian, Glacial and glacio-fluvial	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Hindi Shift)

Curriculum/Teaching Plan for **Even Semester** of the Academic Year 01/09/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Mr. Saurav Vishwakarma

Honours Course

6th Semester

Course Name: Evolution of Geographical Thought
Disaster Management Project Work
Biogeography
Urbanization and Urban System

Course Code: CC-13, CC-14, DSE-3, DSE-4

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of January, 2024</i>	Pre-Modern Geography– Early Origins of Geographical Thinking with reference to the Greek, Roman Thinkers	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of February, 2024</i>	Arab Thinkers	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of February, 2024</i>	Modern Geography – Evolution of Geographical Thinking and Disciplinary Trends in Germany, France	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of February, 2024</i>	Modern Geography – Evolution of Geographical Thinking and Disciplinary Trends in Britain, United States of America	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of February, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of March, 2024</i>	Urban Issues: problems of housing, slums, basic amenities (water and transport)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Urban Issues: Case studies of Delhi	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Urban Issues: Case studies of Kolkata	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Urban Issues: Case studies of Asansol	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Urban Geography: Introduction, Nature and Scope and Approaches	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Assignment on any one urban problem.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	The Project Report based on field-based case studies on Landslide	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

4th Semester

Course Name: Introduction to Global Economic System
Environment and Natural Resource Management
Digital Remote Sensing
Thematic Atlas

Course Code: CC-8, CC-9, CC-10, SEC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of February, 2024</i>	Tertiary Activities: Role of Transport in Economic Development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of February, 2024</i>	Tertiary Activities: Role of Trade in Economic Development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of March, 2024</i>	Tertiary Activities: Role of Service in Economic Development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of March, 2024</i>	Ecosystem: Concept, Structure and Functions	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Environmental Issues in Tropical, Temperate and Polar Ecosystems	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Environmental Monitoring Programme: Policies – Global, National and Local	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Assignment on Local Environmental Issues	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd week of April, 2024</i>	Application of Remote Sensing in weather (tropical cyclones) studies and natural hazards (floods)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Rainfall dispersion diagram,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Line graph showing trend of population growth, β index map	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Environmental Issues in Polar Ecosystems	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Environmental Issues in Temperate Ecosystems	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

2nd Semester

Course Name: Fundamentals of Human Geography
Elementary Practicals in Human Geography

Course Code: MAJOR 2, SEC 2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of March, 2024</i>	Evolution of Man-Nature interaction: Hunting and Food gathering, Pastoral nomadism, Agrarian society and industrial society	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Evolution of Man-Nature interaction: Hunting and Food gathering, Pastoral nomadism, Agrarian society and industrial society	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Sources of demographic and socio-economic data; Data access from Census of India web portal	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of April, 2024</i>	Cultural realms of the world and their characteristics	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Population geography and demography; Population growth and distribution	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Population composition (Age-Sex composition)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Theories of population: Malthusian and demographic transition	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of May, 2024</i>	Population-resource regions (W. Zelinsky and E.A. Ackerman)	Chalk board/ppt/pdf lectures/video lectures

		(study materials will be supplied after completion of the topics)
<i>4th week of May, 2024</i>	Preparation of questionnaire or schedule for collecting data through a household survey; Interview with special reference to focused group discussions	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Hindi Shift)

Curriculum/Teaching Plan for **Even Semester** of the Academic Year 01/09/2023 –
31/05/2024



Name of the Teacher/Course Instructor: Dr. Satyabrata Mandal

Honours Course

6th Semester

Course Name: Evolution of Geographical Thought
Disaster Management Project Work
Biogeography
Urbanization and Urban System

Course Code: CC-13, CC-14, DSE-3, DSE-4

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of January, 2024</i>	Debates between Environmental Determinism and Possibilism	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of February, 2024</i>	Debates between Environmental Determinism and Possibilism	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of February, 2024</i>	Debates between Systematic and Regional Geography	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of February, 2024</i>	Debates between Ideographic and Nomothetic approach in Geography	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of February, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of March, 2024</i>	Ecological successions: stages and climax	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Ecological successions: stages and climax	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Definition of biosphere, meaning of ecology	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Eco-tone, Communities, habitats, ecological niche	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Assessment of the project report and Presentation (PPT/ Poster)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Biomes	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Ecological pyramids	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

4th Semester

Course Name: Introduction to Global Economic System
Environment and Natural Resource Management
Digital Remote Sensing
Thematic Atlas

Course Code: CC-8, CC-9, CC-10, SEC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of February, 2024</i>	Introduction to Global Economic System	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of February, 2024</i>	Cartographic Overlays – Point, Line and Areal Data	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of March, 2024</i>	Concept and Classification of Economic Activities	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of March, 2024</i>	Concept and Classification of Economic Activities	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Concept of Environment and Natural Resource Management	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Concept of Environment and Natural Resource Management	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Human-Environment Relationships	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>2nd week of April, 2024</i>	Human-Environment Relationships	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	EMR Interaction with Atmosphere and Earth Surface, Concept of Image Processing (Digital and Visual)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Pre-processing (Atmospheric, Radiometric and Geometric Correction); Enhancement (Filtering); Classification (Supervised and Un-supervised)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Application of Digital Remote Sensing in Urban Studies with special reference to Urban Sprawl Analysis, Mapping and Interpretation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Application of Digital Remote Sensing in Urban Studies with special reference to Urban Sprawl Analysis, Mapping and Interpretation	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

2nd Semester

Course Name: Fundamentals of Human Geography
Elementary Practicals in Human Geography

Course Code: MAJOR 2, SEC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of March, 2024</i>	Approaches to Human Geography: Resource, locational, landscape, environmental	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of March, 2024</i>	Population and environment relations with special reference to development-environment conflict	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Multi-purpose river valley projects	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of April, 2024</i>	Trends and patterns of world urbanization (ancient and modern)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Trends and patterns of world urbanization (ancient and modern)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Rural and urban population by dots and spheres; Population growth rates by line graph (Annual and Decadal)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Preparation of maps showing population density by choropleth	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>3rd week of May, 2024</i>	Measurement of inequality by Lorenz curve and Gini coefficient	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of May, 2024</i>	Analysis of occupation structure by pie diagram	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College,Asansol
Department of philosophy
Curriculum/Teaching Plan for odd Semesters of the
Academic Year 2023-24



Name of Teacher/Course Instructor: **Susmita Layek (Banerjee)**

1st Semester

Course Name: Reasoning: Deductive and Inductive

Course Code: BAPHISE101 Course Type : SEC-1

Expected Time Span	Topic Covered	Teaching Method
1 st week of November to 2 nd week of December2023	Inductive Argument: Rules and Fallacies Causal Reasoning	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of December2023 to 3 rd week of January2024	Cause and Effect ,Mill's methods of causal reasoning	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of January2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
1 st week of February2024	Scientific Thought and Unscientific Thought	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd week of February2024	Method of Scientific Reasoning, Hypotheses	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd &4 th February2024	Class Test on the topics covered till date;Remedial/Special Tutorial classes as per performance of the students so far	Offline test ;Demonstration / Discussion/ Interactive session
1 st week of March2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College,Asansol
Department of philosophy
Curriculum/Teaching Plan for odd Semesters of the
Academic Year 2023-24



Name of Teacher/Course Instructor: **Susmita Layek (Banerjee)**

3rd Semester

Course Name: LOGICAL RULES AND FALLACIES

Course Code: BAHPHISE 301 CourseType : SEC-1

Expected Time Span	Topic Covered	Teaching Method
1 st week of November to 2 nd week of December2023	Definition and classification of <i>anumāna</i> The Nyāya model; The Buddhist model (Svārthānumāna)	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of December2023 to 3 rd week of January2024	☑ Aid to <i>anumāna</i>: a) tarka b) avayava c) dṛṣṭānta d) siddhānta	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of January2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
1 st week of February2024	☑ Logical Fallacies ; <i>hetvābhāsa</i> : Nature and Types	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd week of February2024	a) <i>hetvābhāsa</i> : Nature and Types	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd &4 th February2024	Class Test on the topics covered till date;Remedial/Special Tutorial classes as per performance of the students so far	Offline test ;Demonstration / Discussion/ Interactive session
1 st week of March2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College,Asansol
Department of philosophy
Curriculum/Teaching Plan for odd Semesters of the
Academic Year 2023-24



Name of Teacher/Course Instructor: **Susmita Layek (Banerjee)**
5th Semester

Course Name: Shibaditya Misra : Saptapadārthī
Course Code: BAHPHIDSE505 CourseType : DSE-2

Expected Time Span	Topic Covered	Teaching Method
1 st week of November to 2 nd week of December 2023	UNIT: 1 A brief sketch of vaishesika darshan .introducing the text 'Saptapadarthi' -- the author and subject matter of the book --selected portions to be studied from the book. UNIT: 2 mangalacharan --its meaning and importance .Discussion on mangalacharan by shibaditya misra in saptapadarthi .	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of December 2023 to 3 rd week of January 2024	UNIT: 3. Uddesh prakaran --laksana of padartha in general ; introduction of sapta padarthas --dravya, guna ,karma, samanya, visesa, samavaya and abhava.	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of January 2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
1 st week of February 2024	UNIT: 4 Identifying marks of dravya, guna, karma, samanya, visesa, samavaya and abhava. individual characteristics of nine dravyas, twenty-four gunas, five karmas, samanya, visesa, samavaya and abhava. UNIT: 5. Prama and a-prama .discussion of perception and inference --division of perception into savikalpaka and nirvikalpaka .division of inference into svarthanuman and pararthanuman. types of linga .hetvabhasa --its laksana and varieties	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd week of February 2024	UNIT: 6 Two types of a-prama. theory of causation'. nature of moksa or salvation UNIT: 7 Laksana prakaran --samanya laksana of the seven padarthas.; special laksana of nine substances ,twenty-four gunas, five karmas, samanya ,visesa, samavaya and abhava.	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd & 4 th February 2024	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ; Demonstration / Discussion/ Interactive session
1 st week of March 2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College,Asansol
Department of philosophy
Curriculum/Teaching Plan for Even Semesters of the
Academic Year 2023-24



Name of Teacher/Course Instructor: **Susmita Layek (Banerjee)**

2nd Semester

Course Name: Fundamentals of Western Philosophy
Course Code: BAPHIMJ201 CourseType : MJC -2

Expected Time Span	Topic Covered	Teaching Method
2nd week of April 2024	Introduction to syllabus ;Basic Tenets of Early Greek Philosophy	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3rd & 4th week of April 2024	Sophist, Ionian School, Parmenides,	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1st & 2nd week of May2024	Heraclitus and Democritus,	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3rd&4th week of May2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per theperformance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
3rd &4th week of June2024	Thales and Anaximander, Zeno	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1st &2nd week of July2024	Greek Philosophy: Plato: Theory of Knowledge, Theory of Ideas:	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3rd &4th week of July2024	Greek Philosophy: Aristotle: Refutation of Plato"s Theory of Ideas, Classification of Ideas, Theory of Causation, Form and Matter	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1st &2nd week of August2024	Class Test on the topics covered till date;Remedial/Special Tutorial classes as per performance of the students so far	Offline test ;Demonstration / Discussion/ Interactive session
3rd &4th week of August2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College,Asansol
Department of philosophy
Curriculum/Teaching Plan for Even Semesters of the
Academic Year 2023-24



Name of Teacher/Course Instructor: **Susmita Layek (Banerjee)**

4th Semester

Course Name: Western Logic-I & Logical Rules & Fallacies (Western)

Course Code: **BAHPHC401 & BAHPHISEC401** **CourseType :** CORE & SEC

Expected Time Span	Topic Covered	Teaching Method
2 nd & 3 rd week of feb2024	Introduction to syllabus ; Deduction Propositional Logic , 1st Order Predicate Logic up to singly general proposition.	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of feb&1 st & 2 nd week of March2024	Deduction Propositional Logic , 1st Order Predicate Logic up to singly general proposition.	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd &4 th week of March2024	Deductive Argument: Immediate inference , Categorical Syllogism,	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of April 2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
2 nd & 3 rd week of April 2024	truth functional argument and quantificational argument ; Immediate inference: Rules and Fallacies	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of April & 1 st week of May2024	Truth functional Argument : Rules and Fallacies Fallacious Reasoning in Argumentation	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd & 3 rd week of May 2024	Inductive Argument : Rules and Fallacies	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
&4 th week of May 2024	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ;Demonstration / Discussion/ Interactive session
week of June 2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College,Asansol
Department of philosophy
Curriculum/Teaching Plan for Even Semesters of the
Academic Year 2023-24



Name of Teacher/Course Instructor: **Susmita Layek (Banerjee)**

6th Semester

Course Name: David Hume: *An Enquiry Concerning Human Understanding*

Course Code: BAHPHIDSE601 CourseType : DSE-3

Expected Time Span	Topic Covered	Teaching Method
2 nd &3 rd week of feb2024	Introduction to syllabus Sections 1 to 2	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of feb&1 st & 2 nd week of March2024	Sections 2 to 3	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd &4 th week of March2024	Sections 4 to 5	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of April 2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
2 nd &3 rd week of April 2024	Sections 6 to 7	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of April & 1 st week of May2024	Sections 6 to 7	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd & 3 rd week of May 2024	Sections 8&12	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
&4 th week of May 2024	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ;Demonstration / Discussion/ Interactive session
1 st week of June 2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College, Asansol
Department of philosophy
Curriculum/Teaching Plan for odd Semesters of the
Academic Year 2023-24



Name of Teacher/Course Instructor: Shanoly Ganguly

1st Semester

Course Name: Fundamentals of Indian Philosophy

Course Code: BAPHIMJ101& BAPHISE101 Course Type : MJC-1& SEC-1

Expected Time Span	Topic Covered	Teaching Method
1 st week of August to 2 nd week of August 2023	Introduction to syllabus; What is Philosophy? Darśana and Philosophy (including a discussion on the distinctive nature of Indian Philosophy)	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of August to 3 rd week of september	What is reasoning? Standard form categorical propositions: Forms and Classification ;Distribution of terms of standard from categorical propositions ;Proposition and argument ;Argument: deductive and inductive	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of September to 4 th week of october	Basic Characteristics of Indian Philosophy Common Features of Indian Philosophical Schools	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of November to 2 nd week of December 2023	Deductive Argument: Immediate inference, Categorical Syllogism ;Opposition of propositions: Rules and Fallacies	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of December 2023 to 3 rd week of January 2024	Some Ethical Concepts of Indian Philosophy ;Cosmic moral order: <i>Rta, R̥ṇa</i> and <i>Yajña Śreyas</i> and <i>Preyas</i> ; Cārvaka"s Hedonism	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of January 2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
1 st week of February 2024	<i>Dharma: sād̥hāraṇadharmā</i> and <i>viśeṣadharmā</i> ;Concept of <i>Puruṣārtha</i>	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd week of February 2024	Immediate inference: Rules and Fallacies Categorical Syllogisms: Rules and Fallacies Fallacious Reasoning in Argumentation	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd & 4 th February 2024	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ;Demonstration / Discussion/ Interactive session
1 st week of March 2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College, Asansol
Department of philosophy
Curriculum/Teaching Plan for odd Semesters of the
Academic Year 2023-24



Name of Teacher/Course Instructor: Shanoly Ganguly

3rd Semester

Course Name: Western Ethics

Course Code: BAHPHC302 CourseType : CORE

Expected Time Span	Topic Covered	Teaching Method
3 rd week of August to 3 rd week of September 2023	Introduction to syllabus; Nature and Scope of Ethics; Nature of Morality Moral and Non-moral actions	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of September to 4 th week of October 2023	Object of Moral Judgment : Motive and Intention ;Postulates of Morality ; The Development of Morality	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st & 2 nd week of November 2023	Normative Theories : Consequentialism(Teleology): Ethical Egoism; Utilitarianism: Act and Rule Utilitarianism; Act and Rule Deontology;	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of November 2023	Kant's Moral Theory; Divine Command Theory; Eudaemonism	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of November 2023	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
1 st & 2 nd week of December 2023	Theories of Punishment: Retributive, Deterrent And Reformative Theory	
3 rd & 4 th week of December 2023	Issues in Applied Ethics : Suicide; Mercy Killing and Euthanasia: Nature and Types; Famine and Affluence; Gender Equality;	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st & 2 nd week of January 2024	Basic Concerns of Environmental Ethics: Anthropocentrism, Non-anthropocentrism and Eco-feminism	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of January 2024	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ; Demonstration / Discussion/ Interactive session
4 th week of January 2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College, Asansol
 Department of philosophy
**Curriculum/Teaching Plan for odd Semesters of the
 Academic Year 2023-24**



Name of Teacher/Course Instructor: **Shanoly Ganguly**

5TH Semester

Course Name: Bertrand Russell: *The Problems of Philosophy*

Course Code: BAHPHIDSE501 CourseType : DSE-1

Expected Time Span	Topic Covered	Teaching Method
3 rd week of August to 3 rd week of september2023	Apearance & Reality;The existence of matter ; The Nature of matter;	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of September to 4 th week of october2023	Knowledge by Acquaintance & Knowledge by Description	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st &2 nd week of November2023	On Induction; Idealism;	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of November 2023	On our Knowledge of General Principles; How a prori knowledge is possible;	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of November 2023	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
1 st &2 nd week of December2023	The world of the universal;The value of philosophy	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd & 4 th week of December2023	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ;Demonstration / Discussion/ Interactive session
1 st week of January2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College, Asansol
 Department of philosophy
**Curriculum/Teaching Plan for Even Semesters of the
 Academic Year 2023-24**



Name of Teacher/Course Instructor: **Shanoly Ganguly**

2nd Semester

Course Name: Applied Ethics

Course Code: BAPHISE201 CourseType : SEC-2

Expected Time Span	Topic Covered	Teaching Method
2 nd week of April 2024	Introduction to syllabus An Introduction to Applied Ethics/ what is applied Ethics? ;	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd & 4 th week of April 2024	Human Value in the light of applied Ethics ;	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st & 2 nd week of May 2024	Definition and Nature of Human Rights	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd &4 th week of May 2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
3 rd & 4 th week of June 2024	Mercy Killing and Euthanasia: Nature and Types	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st & 2 nd week of July 2024	Abortion	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd & 4 th week of July 2024	Environmental Ethics: Definition and Concerns	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st & 2 nd week of August 2024	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ; Demonstration / Discussion/ Interactive session
3 rd & 4 th week of August 2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College, Asansol
 Department of philosophy
**Curriculum/Teaching Plan for Even Semesters of the
 Academic Year 2023-24**



Name of Teacher/Course Instructor: Shanoly Ganguly

4th Semester

Course Name: Psychology

Course Code: BAHPHILC402 Course Type :: CC-9

Expected Time Span	Topic Covered	Teaching Method
2 nd & 3 rd week of feb 2024	Introduction; Nature of Psychology; Psychological Research Methods;	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of feb & 1 st & 2 nd week of March 2024	Biological Processes and Behavior: Nervous System and Endocrine System; Perception : Colour and Depth , Pattern Recognition, Perceptual Organization	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd & 4 th week of March 2024	Learning: Classical Conditioning Theory, Instrumental (Operant) Conditioning Theory ; Attention	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of April 2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
2 nd & 3 rd week of April 2024	Cognition and emotion : Appraisal Theory of Emotion, Cognition-emotion- action	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of April & 1 st week of May 2024	Consciousness: Content and Levels of Consciousness ; Intelligence	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd & 3 rd week of May 2024	Attention ; memory	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
& 4 th week of May 2024	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ; Demonstration / Discussion/ Interactive session
week of June 2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College, Asansol
Department of philosophy
Curriculum/Teaching Plan for **Even Semesters** of the
Academic Year 2023-24



Name of Teacher/Course Instructor: **Shanoly Ganguly**

6th Semester

Course Name: **Rabindranath Tagore: *Sāadhanā***

Course Code: **BAHPHIDSE603** CourseType : **DSE-4**

Expected Time Span	Topic Covered	Teaching Method
2 nd & 3 rd week of feb 2024	Introduction to syllabus ; THE RELATION OF THE INDIVIDUAL TO THE UNIVERSE; SOUL CONSCIOUSNESS	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of feb & 1 st & 2 nd week of March 2024	THE PROBLEM OF EVIL; THE PROBLEM OF SELF; REALISATION IN LOVE	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd & 4 th week of March 2024	REALISATION IN ACTION	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of April 2024	Class Test on the topics covered till date; One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz Discussion/Interactive Session
2 nd & 3 rd week of April 2024	THE REALISATION OF BEAUTY	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of April & 1 st week of May 2024	THE REALISATION OF THE INFINITE	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd & 3 rd week of May 2024	SUMMARY DISCUSSION WHOLE BOOK	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
& 4 th week of May 2024	Class Test on the topics covered till date; Remedial/Special Tutorial classes as per performance of the students so far	Offline test ; Demonstration / Discussion/ Interactive session
1 st week of June 2024	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor

Banwarilal Bhalotia College, Asansol

Department of Philosophy

Curriculum/Teaching Plan for odd semesters of the Academic Year 2023-2024



Name of Teacher/ Course Instructor: Mr. Prasenjit Daw

1st Semester

Course name: Fundamentals of Indian Philosophy (Major & Minor)

Course Code: BAPHIMJ101 & BAPHIMN101

Assigned Syllabus: unit-III of the paper (some basic concepts of Indian Epistemology)

Assigned Classes: One Class per Week

Expected Time Span	Topic Covered	Teaching Method
1 st week of November to 2 nd week of December	Pramā and apramā (Nyāya, Purva Mīmāmasā, Vedantā	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of December to 4 th week of January	Definition and kinds of pramāna	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of February	Practice classes	Question-Answer based interactive practice sessions
2 nd week of February	Class Test on the topics covered till date	Offline test
3 rd & 4 th February	Remedial/ Special Tutorial classes as per performance of the students so far	Demonstration / Discussion/ Interactive session
1 st week of March	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

3rd Semester

Course name : Indian Logic (Core Course)

Course Code: BAHPHIC303

Assigned Syllabus: Annambhatta: Tarkasamgraha with Dîpikā

Assigned Classes: Five Classes per Week

Expected Time Span	Topic Covered	Teaching Method
1 st week of November to 3 rd week of December	Tarkasamgraha with Dîpikā	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of January	Practice classes	Question-Answer based interactive practice sessions
2 nd week of January t	Class Test on the topics covered till date	Offline test
3 rd week of January to 4 th January	Remedial/ Special Tutorial classes as per performance of the students so far	Demonstration / Discussion/ Interactive session
1 st week of February	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

5th Semester

Course name : Western Logic (Core Course) & Shibadity Misra: Saptapadārthî (DSE)

Course &DSE Code: BAHPHIC502 & BAHPHIDSE505

Assigned Syllabus: Chapter 10: Relations &Laksana prakarana

Assigned Classes: Eight Classes per Week

Expected Time Span	Topic Covered	Teaching Method
1 st week of November to 1 st week of December	Relation (CC)	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of November to 1 st week of December	Laksana prakarana (DSE)	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd week of December	Practice classes	Question-Answer based interactive practice sessions
2 nd week of December	Class Test on the topics covered till date	Offline test

3rd week of December	Remedial/ Special Tutorial classes as per performance of the students so far	Demonstration / Discussion/ Interactive session
1 st week of January	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

Banwarilal Bhalotia College, Asansol

Department of Philosophy

Curriculum/Teaching Plan for even semesters of the Academic Year 2024-2025



Name of Teacher/ Course Instructor: Mr. Prasenjit Daw

2st Semester

Course name: **Fundamentals of Western Philosophy (Major & Minor)**

Course Code: **BAPHIMJ201 & BAPHIMN201**

Assigned Syllabus: **unit-I of the paper (An Introduction to Western Philosophy)**

Assigned Classes: **One Class per Week**

Expected Time Span	Topic Covered	Teaching Method
1 st & 2 nd week of April	Meaning of the term “Philosophy”	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st & 4 th week of April	Nature and Scope of Philosophy	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st & 2 nd week of May	Philosophy as the analysis of language and conceptual structure	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of April to 3 rd week of June	Branches of Philosophy (Epistemology, Metaphysics, Ethics, Aesthetics, Logic)	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of July	Practice classes	Question-Answer based interactive practice sessions
3 rd week of July	Class Test on the topics covered till date	Offline test
4 th week of July to 3 rd week of August	Remedial/ Special Tutorial classes as per performance of the students so far	Demonstration / Discussion/ Interactive session

4 th week of August	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz
--------------------------------	---	---

4th Semester

Course name : Western Logic-I (Core Course) & Reasoning, Logical Rules& Fallacies: Western (SEC)

Course & SEC Code: BAHPHIC401 & BAHPHISEC401

Assigned Syllabus: Half-I & Some Topics

Assigned Classes: Six Classes per Week

Expected Time Span	Topic Covered	Teaching Method
3 rd week of February to 3 rd week of May	Core Course Deduction Propositional Logic	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of February to 3 rd week of March	SEC Opposition of proposition: Rules and fallacies	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of March to 3 rd week of April	SEC Categorical Syllogisms: Rules & Fallacies	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of April to 3 rd week of May	SEC Quantificational Argument: Rules and Fallacies	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of May	Practice classes	Question-Answer based interactive practice sessions
1 st week of June	Class Test on the topics covered till date	Offline test
2 nd & 3 rd week of June	Remedial/ Special Tutorial classes as per performance of the students so far	Demonstration / Discussion/ Interactive session
4 th week of June	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

6th SemesterCourse name : **Philosophy in the Twentieth Century: Indian**Course Code: **BAHPHIC601**Assigned Syllabus: **Full paper**Assigned Classes: **Seven Classes per Week**

Expected Time Span	Topic Covered	Teaching Method
3 rd week of February to 4 th week of February	Rabindranath Tagor	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of February to 2 nd week of March	Swami Vivekananda	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of March to 4 th week of March	Sri Aurobindo	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
4 th week of March to 1 st week of April	S. Radhakrishnan	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
1 st week of April to 2 nd week of April	Md. Iqbal	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
2 nd week of April to 3 rd week of April	Mahatma Gandhi	Chalk & Board/ lecture /discussion / picture/ ppt (study materials will be supplied in advance)
3 rd week of April	Practice classes	Question-Answer based interactive practice sessions
1 st week of May	Class Test on the topics covered till date	Offline test
2 nd & 3 rd week of May	Remedial/ Special Tutorial classes as per performance of the students so far	Demonstration / Discussion/ Interactive session
4 th week of May	Assignment Based Exam. Covering the whole Unit syllabus	Assignment via Offline Mode/ google form/ google Quiz

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF COMPUTER APPLICATION

LESSION PLAN`

ACADEMIC YEAR: 2023-24	SEMESTER: SIXTH
COURSE: UG	COURSE NAME:BCA
SUBJECT CODE: BCAH	SUBJECT TYPE: THEORY/PRACTICAL
Paper- CORE – Programming in Python,C#.Net Paper - Elective 4– any one(Computer Graphics, Theory of Computation, Cloud Computing) Paper – Core(Practical) Python Programming Lab, C#.Net Lab Project: Project Work and Viva	WORKLOAD: 5Hrs/Week/TEACHER

Name of Teacher	Topic of Discussion	Subject	Duration	Plan of Teaching Aid
Prosenjit Chattopadhyay	Introduction to Python data types	Programmin g in Python	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	A closer look at Core Python Language	Programmin g in Python	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Functions	Programmin g in Python	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Dictionaries	Programmin g in Python	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Module, Package	Programmin g in Python	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	OOP's Concept	Programmin g in Python	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Exception Handling	Programmin g in Python	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Regular Expression	Programmin g in Python	2 weeks	Offline Mode Classroom

Prosenjit Chattopadhyay	GUI Programming	Programmin g in Python	2 weeks	Offline Mode Classroom
Manas Kr Ray	introduction	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Understanding of C#	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Understanding of .Net	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Variables & Data types	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Operators	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Decision making	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Looping	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray-	Methods	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	String & Structures	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Class & Objects	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Inheritance	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Polymorphism	C#.Net	1 week	Offline Mode Classroom
Manas Kr Ray	Managing console I/O	C#.Net	1 week	Offline Mode Classroom
Parijat Hazra	Introduction to Cloud Computing	Cloud Computing	1 week	Offline Mode Classroom
Parijat Hazra	Models and Infrastructure	Cloud Computing	1 week	Offline Mode Classroom
Parijat Hazra	Cloud Services	Cloud Computing	2 weeks	Offline Mode Classroom
Parijat Hazra	Cloud Architecture	Cloud Computing	1 week	Offline Mode Classroom
Parijat Hazra	Cloud OS	Cloud Computing	2 weeks	Offline Mode Classroom
Parijat Hazra	Data centres , Virtualization	Cloud Computing	1 week	Offline Mode Classroom
Parijat Hazra	Security, Privacy	Cloud Computing	2 weeks	Offline Mode Classroom

Parijat Hazra	VMWare	Cloud Computing	1 week	Offline Mode Classroom
Parijat Hazra	Planning, Recovery	Cloud Computing	2 weeks	Offline Mode Classroom

N.B: 1. ASSIGNMENTS WILL BE GIVEN AFTER COMPLETION OF EACH UNIT

2. CLASS TEST WILL BE CONDUCTED AS PER REQUIREMENT

DEPARTMENT OF COMPUTER APPLICATION

LESSION PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: FIFTH
COURSE: UG	COURSE NAME:BCA
SUBJECT CODE: BCAH	SUBJECT TYPE: THEORY/PRACTICAL
Paper- CORE - Software Engineering, E-Commerce & Internet, Mathematics-III, Core Java, Paper - Elective – any one(Cyber Security/Image Processing/Intelligent System) Paper – Core(Practical) – E-Comm Lab using HTML & PHP, Java Lab	WORKLOAD: 10Hrs/Week

Name of Teacher	Topic of Discussion	Subject	Duration	Plan of Teaching Aid
Samrat Kundu	Java (L)	Core Java	As per theory schedule	Offline Mode Classroom
Samrat Kundu	HTML, PHP(L)	E-Comm	As per theory schedule	Offline Mode Classroom

Prosenjit Chattopadhyay	Introduction to Java, data types	Core Java	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	A closer look at literals, arrays	Core Java	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Operators	Core Java	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Java's selection statements, loop statements	Core Java	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Introduction to classes, constructor destructor	Core Java	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Inheritance, hierarchy	Core Java	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Packages and Interfaces, Exception handling	Core Java	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Threads, Applets	Core Java	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Stream class	Core Java	2 weeks	Offline Mode Classroom
Manas Kr Ray	S/W introduction	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	S/W life cycle	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	SRS	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	S/W matrices	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	S/W documentation	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	System Planning	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	System Design	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray-	Case Tools	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	Coding & Programming	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	Quality Testing	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	Cost and Time estimation	Software Engineering	1 week	Offline Mode Classroom

Manas Kr Ray	Project Management	Software Engineering	1 week	Offline Mode Classroom
Manas Kr Ray	Case studies	Software Engineering	1 week	Offline Mode Classroom
Parijat Hazra	Introduction to E-commerce,	E-Comm & Internet	1 week	Offline Mode Classroom
Parijat Hazra	Introduction to Internet	E-Comm & Internet	1 week	Offline Mode Classroom
Parijat Hazra	datagram, major IP services	E-Comm & Internet	2 weeks	Offline Mode Classroom
Parijat Hazra	E-mail and List-servers	E-Comm & Internet	1 week	Offline Mode Classroom
Parijat Hazra	File Transfer Protocol	E-Comm & Internet	2 weeks	Offline Mode Classroom
Parijat Hazra	Telnet	E-Comm & Internet	1 week	Offline Mode Classroom
Parijat Hazra	Search Engines	E-Comm & Internet	2 weeks	Offline Mode Classroom
Parijat Hazra	Internet Security	E-Comm & Internet	1 week	Offline Mode Classroom
Parijat Hazra	Tools	E-Comm & Internet	2 weeks	Offline Mode Classroom

N.B: 1. ASSIGNMENTS WILL BE GIVEN AFTER COMPLETION OF EACH UNIT

2. CLASS TEST WILL BE CONDUCTED AS PER REQUIREMENT

DEPARTMENT OF COMPUTER APPLICATION

LESSION PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: FOURTH
COURSE: UG	COURSE NAME:BCA
SUBJECT CODE: BCAC	SUBJECT TYPE: THEORY/PRACTICAL
Paper- CORE – Computer Network, Web & Internet, Core Java, Paper - GEC – Mathematics-III Paper – SEC – Value & Ethics of Profession	WORKLOAD: 10Hrs/Week

--	--

Name of Teacher	Topic of Discussion	Subject	Duration	Plan of Teaching Aid
Samrat Kundu	Java (L)	Core Java	As per theory schedule	Offline Mode Classroom
Samrat Kundu	HTML, PHP(L)	E-Comm	As per theory schedule	Offline Mode Classroom
Prosenjit Chattopadhyay	Introduction to Java, data types	Core Java	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	A closer look at literals, arrays	Core Java	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Operators	Core Java	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Java's selection statements, loop statements	Core Java	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Introduction to classes, constructor destructor	Core Java	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Inheritance, hierarchy	Core Java	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Packages and Interfaces, Exception handling	Core Java	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Threads, Applets	Core Java	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Stream class	Core Java	2 weeks	Offline Mode Classroom
Manas Kr Ray	Introduction, Network OS	Computer Network	2 weeks	Offline Mode Classroom
Manas Kr Ray	Structures, Communications	Computer Network	1 week	Offline Mode Classroom
Manas Kr Ray	TDMA, STDMA, Tokens	Computer Network	2 weeks	Offline Mode Classroom
Manas Kr Ray	TCP/IP, LAN, MAN	Computer Network	2 weeks	Offline Mode Classroom
Manas Kr Ray	DSwitching	Computer Network	1 week	Offline Mode Classroom

Manas Kr Ray	Protoccols X.x	Computer Network	1 week	Offline Mode Classroom
Manas Kr Ray	Layers	Computer Network	2 weeks	Offline Mode Classroom
Manas Kr Ray	Problem Solving	Computer Network	2 weeks	Offline Mode Classroom
Parijat Hazra	Introduction to Internet	Web & Internet	1 week	Offline Mode Classroom
Parijat Hazra	WWW	Web & Internet	1 week	Offline Mode Classroom
Parijat Hazra	datagram, major IP services	Web & Internet	2 weeks	Offline Mode Classroom
Parijat Hazra	E-mail and List-servers	Web & Internet	1 week	Offline Mode Classroom
Parijat Hazra	File Transfer Protocol	Web & Internet	2 weeks	Offline Mode Classroom
Parijat Hazra	Telnet	Web & Internet	1 week	Offline Mode Classroom
Parijat Hazra	Search Engines	Web & Internet	2 weeks	Offline Mode Classroom
Parijat Hazra	Internet Security	Web & Internet	1 week	Offline Mode Classroom
Parijat Hazra	Tools	Web & Internet	2 weeks	Offline Mode Classroom

N.B: 1. ASSIGNMENTS WILL BE GIVEN AFTER COMPLETION OF EACH UNIT

2. CLASS TEST WILL BE CONDUCTED AS PER REQUIREMENT

DEPARTMENT OF COMPUTER APPLICATION

LESSION PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: THIRD
COURSE: UG	COURSE NAME:BCA
SUBJECT CODE: BCAC	SUBJECT TYPE: THEORY/PRACTICAL
Paper- CORE – OOPs with C++, Computer Arcchitecture & Organization, DBMS Paper – GEC-Mathematics-II, Paper – SEC - Reasoning & Aptitude,	WORKLOAD: 10Hrs/Week

Name of Teacher	Topic of Discussion	Subject	Duration	Plan of Teaching Aid
Manas Kumar Ray	Unix and Shell Programming	Unix and Shell Programmin g	As per theory conducted	Offline Mode Classroom
Samrat Kundu	C++(L)/SQL	C++	As per theory conducted	Offline Mode Classroom
Manas Kumar Ray	Introduction: Principles of Object-Oriented-Programming (OOP),Overview of OOP using C++	OOPs using C++	1 week	Offline Mode Classroom
Manas Kumar Ray	Classes and Objects, Structures and Class	OOPs using C++	2 weeks	Offline Mode Classroom
Manas Kumar Ray	Constructors and Destructors	OOPs using C++	1 week	Offline Mode Classroom
Manas Kumar Ray	Operator Overloading, type conversion	OOPs using C++	2 weeks	Offline Mode Classroom
Manas Kumar Ray	Derived Classes and Inheritance, member functions	OOPs using C++	2 weeks	Offline Mode Classroom
Manas Kumar Ray	Inheritance, access specifiers	OOPs using C++	2 weeks	Offline Mode Classroom
Manas Kumar Ray	Pointers, polymorphism	OOPs using C++	2 weeks	Offline Mode Classroom
Manas Kumar Ray	Streams: Stream classes	OOPs using C++	2 weeks	Offline Mode Classroom
Manas Kumar Ray	Templates	OOPs using C++	1 week	Offline Mode Classroom
Manas Kumar Ray	Exception handling.	OOPs using C++	1 week	Offline Mode Classroom

Prosenjit Chattopadhyay	Introduction	Database Management System	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	ER Models	Database Management System	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Relational Model	Database Management System	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	SQL	Database Management System	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	SQL	Database Management System	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	SQL	Database Management System	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Constraints	Database Management System	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Relational DBMS	Database Management System	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Transaction	Database Management System	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Concurrency	Database Management System	1 week	Offline Mode Classroom
Parijat Hazra	Basic Organization	Computer Organization & Architecture	1 week	Offline Mode Classroom
Parijat Hazra	Functions of CPU	Computer Organization & Architecture	2 weeks	Offline Mode Classroom
Parijat Hazra	Memory Organization	Computer Organization & Architecture	2 weeks	Offline Mode Classroom
Parijat Hazra	Bus Organization	Computer Organization	2 weeks	Offline Mode Classroom

		& Architecture		
Parijat Hazra	ALU Design	Computer Organization & Architecture	2 weeks	Offline Mode Classroom
Parijat Hazra	Logical Operation	Computer Organization & Architecture	1 week	Offline Mode Classroom
Parijat Hazra	Arithmetic Operation	Computer Organization & Architecture	1 week	Offline Mode Classroom
Parijat Hazra	Complements	Computer Organization & Architecture	1 week	Offline Mode Classroom
Parijat Hazra	Problem Solving	Computer Organization & Architecture	1 week	Offline Mode Classroom
Parijat Hazra	Misc. Case Study, Problem Solving	R&A	As per Syllabus curriculum	Offline Mode Classroom

N.B: 1. ASSIGNMENTS WILL BE GIVEN AFTER COMPLETION OF EACH UNIT

2. CLASS TEST WILL BE CONDUCTED AS PER REQUIREMENT

DEPARTMENT OF COMPUTER APPLICATION

LESSION PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: SECOND
COURSE: UG	COURSE NAME:BCA
SUBJECT CODE: BCAMN,BCAMN	SUBJECT TYPE: THEORY/PRACTICAL
Paper- Major- , Data Structure, Paper – Minor- Cost Accounting	WORKLOAD: 10Hrs/Week

SEC - Web Designing	
---------------------	--

Name of Teacher	Topic of Discussion	Subject	Duration	Plan of Teaching Aid
Prosenjit Chattopadhyay	Introduction:	Data Structures	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Linear Data Structures	Data Structures	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Linked representation	Data Structures	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Operator Overloading, type conversion	Data Structures	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Nonlinear Data Structures	Data Structures	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Trees	Data Structures	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Graphs	Data Structures	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Threads	Data Structures	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Searching	Data Structures	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Sorting	Data Structures	1 week	Offline Mode Classroom
Parijat Hazra	Web designing	Web Designing	12 weeks	Offline Mode Classroom
Gunamoy Hazra	Introduction	Cost Accounting	2 weeks	Offline Mode Classroom
Gunamoy Hazra	Materials	Cost Accounting	1 week	Offline Mode Classroom
Gunamoy Hazra	Labour	Cost Accounting	2 weeks	Offline Mode Classroom
Gunamoy Hazra	Overhead	Cost Accounting	2 weeks	Offline Mode Classroom
Gunamoy Hazra	Budgetary Control	Cost Accounting	1 week	Offline Mode Classroom
Gunamoy Hazra	Marginal Costing	Cost Accounting	1 week	Offline Mode Classroom
Gunamoy Hazra	Standard Costing	Cost Accounting	2 weeks	Offline Mode Classroom

Gunamoy Hazra	Misc. Problem Solving	Cost Accounting	2 weeks	Offline Mode Classroom
---------------	-----------------------	-----------------	---------	------------------------

N.B: 1. ASSIGNMENTS WILL BE GIVEN AFTER COMPLETION OF EACH UNIT

2. CLASS TEST WILL BE CONDUCTED AS PER REQUIREMENT

DEPARTMENT OF COMPUTER APPLICATION

LESSION PLAN

ACADEMIC YEAR: 2023-24	SEMESTER: FIRST
COURSE: UG	COURSE NAME:BCA
SUBJECT CODE: BCAMJ, BCAMN	SUBJECT TYPE: THEORY/PRACTICAL
Paper- Major - Introduction to programming Using C Minor - Financial Accounting SEC- Office Automation Software Lab	WORKLOAD: 10Hrs/Week

Name of Teacher	Topic of Discussion	Subject	Duration	Plan of Teaching Aid
Parijat Hazra	MS- Word, Excel, Powerpoint, Windows 7	Comp Fund	As per theory conducted	Practical Lab
Samrat Kundu	Programming	Programmin g in C	As per theory conducted	Practical Lab
Prosenjit Chattopadhyay	Introduction: Problem Solving	Programmin g in C	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Introduction to Programming Languages	Programmin g in C	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Introduction to C	Programmin g in C	2 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Operator	Programmin g in C	1 weeks	Offline Mode Classroom

Prosenjit Chattopadhyay	Precedence	Programmin g in C	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Statements	Programmin g in C	1 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Pointers	Programmin g in C	2 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	File Handling	Programmin g in C	3 weeks	Offline Mode Classroom
Prosenjit Chattopadhyay	Header files , Preprocessor	Programmin g in C	1 week	Offline Mode Classroom
Prosenjit Chattopadhyay	Misc..	Programmin g in C	1 week	Offline Mode Classroom
Gunamoy Hazra	Introduction	Financial Accounting	1 weeks	Offline Mode Classroom
Gunamoy Hazra	Book Keeping, Accounting Process	Financial Accounting	1 week	Offline Mode Classroom
Gunamoy Hazra	Cash Book, Leadger	Financial Accounting	2 weeks	Offline Mode Classroom
Gunamoy Hazra	Bad Debit	Financial Accounting	2 weeks	Offline Mode Classroom
Gunamoy Hazra	Trial Balance	Financial Accounting	1 week	Offline Mode Classroom
Gunamoy Hazra	Depreciation	Financial Accounting	2 week	Offline Mode Classroom
Gunamoy Hazra	Profit Making	Financial Accounting	2 weeks	Offline Mode Classroom
Gunamoy Hazra	Misc. Problem Solving	Financial Accounting	2 weeks	Offline Mode Classroom

N.B: 1. ASSIGNMENTS WILL BE GIVEN AFTER COMPLETION OF EACH UNIT

2. CLASS TEST WILL BE CONDUCTED AS PER REQUIREMENT

BANWARILAL BHALOTIA COLLEGE, ASANSOL
Department of Chemistry

MORNING SHIFT

Curriculum/Teaching Plan for Even Semesters
Academic Year 2023-24

Name of Faculty: MR. PATIT PABAN MALIK

BanwarilalBhalotia College, Asansol
Department of Chemistry

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

6th Semester

Name of Teacher/Course Instructor: Mr. Patit Paban Malik

Course/Paper Name: Advanced Inorganic Chemistry (Elective)

Course/Paper Code: BSCPCEMDSE602

Assigned Syllabus: Unit – I: Coordination Chemistry, Unit – II: Chemistry of Main Group Elements

Assigned Classes: **3 class per week**

	Topics Covered	Teaching Method
3 rd Week of February, 2024	Introduction to: Coordination Chemistry, Double and complex salts.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)
4 th Week of February, 2024	Werner's theory, ligands, coordination number	
1 st Week of March, 2024	inner metallic complexes, chelate effect.	
2 nd Week of March, 2024	Different types of isomerism IUPAC nomenclature.	
3 rd Week of March, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
4 th Week of March, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1 st Week of April 2024	Introduction to Chemistry of Main Group Group 1: Hydrogen – isotopes and binary hydrides, lithium and its similarities and differences from other alkali metals	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)
2 nd Week of April, 2024	Diagonal relationship with magnesium, lithium aluminium hydride.	
3 rd Week of April, 2024	Group 2: Calcium, strontium and barium, hydrolith, calcium cyanamide, gypsum and plaster of paris.	
4 th Week of April, 2024	Group 12: Zinc, cadmium and mercury. Nessler's reagent, Millon's base. Group 13: Diborane, boron trifluoride, sodium borohydride, inorganic benzene.	Discussion/Interactive Session Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)
1 st Week of May, 2024	Group 14: Carbon, silicon, tin and lead, carbide, silicon carbide, silica, sodium silicate. Silica gel, hydrofluorosilicic acid, silicon tetra chloride, glass, fullerene.	

2 nd week of May, 2024	Group 15: Nitrogen, phosphorus, arsenic, antimony and bismuth, hydrazine, hydrazoic acid	
3 rd Week of May, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

4thSemester

Name of Teacher/Course Instructor: Mr. Patit Paban Malik

Course/Paper Name: Inorganic Chemistry & Organic Chemistry (Core)

Course/Paper Code: BSECPCEMP401

Assigned Syllabus: Unit – I: Chemical Forces and Molecular Structure, Unit – II: Acids, Bases and Buffers, Unit – III: Oxidation and Reduction, Unit – IV: Organic Synthesis

Assigned Classes: 3class per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Introduction to Chemical Forces and Molecular Structure Ionic bond, covalent bond (octet rule and expanded octet), dative bond	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)
4 th Week of February, 2024	Deformation of ions and Fajan's rules, Born-Haber cycle,	
1 st Week of March, 2024	Hydrogen bond: intra- and intermolecular, bond polarity and dipole moment	
2 nd Week of March, 2024	Bond lengths, bond angles and qualitative description of shapes of some simple molecules like CO ₂ , SO ₂ , H ₂ O, BeCl ₂ , BF ₃ , NH ₃ , CH ₄ , C ₂ H ₄ , C ₂ H ₂ , C ₆ H ₆ .	
3 rd Week of March, 2024	Introduction to Acids, Bases and Buffers, Different concept of acids and bases	
4 th Week of March, 2024	Ionic product of water, salt hydrolysis, pH and its colorimetric determination,	
1 st week of April, 2024	Class Test on the topics covered till date and One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via GoogleForm/GoogleQuizDiscussion/Interactive Session
2 nd Week of April, 2024	Strengths of strong and weak acids and bases, Introduction to Oxidation and Reduction,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)
3 rd Week of April, 2024	Electronic concepts, oxidation number, Ion-electron method of balancing equations	
4 th week of April, 2024	application of redox reactions, idea of standard potential and formal potential.	
1 st week of May, 2024	Derivation of thermodynamic quantities of cell reactions (ΔG , ΔH and ΔS).	
2 nd week of May, 2024	Preparation and synthetic uses of diethyl malonate, ethyl acetoacetate and Grignard reagents	
3 rd week of May, 2024	Preparation of TNT phenyl acetic acid, salicylic acid, cinnamic acid, sulphanilic acid, phenyl hydrazine,	
4 th Week of May, 2024	nitrophenols, nitroanilines, picric acid glycerol, allyl alcohol, citric acid.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)

1 st Week of June, 2024	Assignment Based Exam covering the whole Unit Syllabi	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

2nd Semester

Name of Teacher/Course Instructor: Mr. Patit Paban Malik

Course/Paper Name: Major, GENERALCHEMISTRY-II

Course/Paper Code: BSCCEMMJ201

Assigned Syllabus: Unit – III: Chemical Kinetics –I

Assigned Classes: 1class per week

	Topics Covered	Teaching Method
2 nd Week of April, 2024	Introduction, reaction rate and extent of reaction, order and molecularity;	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)
3 rd Week of April, 2024	Kinetics of zero, first, second	
4 th Week of April, 2024	Fractional and pseudo-first order reactions;	
1 st Week of May, 2024	Determination of order of reaction	
2 nd Week of May, 2024	Class Test on the topics covered till date and One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Google Quiz/Discussion/Interactive Session
3 rd Week of May, 2024	Opposing, consecutive and parallel reactions (first order),	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)
4 th Week of May, 2024	Concept of steady state and rate determining step	
1 st Week of June, 2024	Chain reaction: elementary idea,	
2 nd Week of June, 2024	Illustrations with H ₂ -Br ₂ and H ₂ -O ₂ reactions	
3 rd Week of June, 2024	Class Test on the topics covered till date and One Remedial/Special Tutorial Class as per the performance of the Students so far	Assignment via Google Form/Discussion/Interactive Session
4 th Week of June, 2024	Temperature dependence of reaction rate	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied)
1 st Week of July, 2024	Arrhenius equation	
2 nd Week of July, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google form
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

1st Semester

Name of Teacher/Course Instructor: **Mr. PatitPaban Malik**

Course/Paper Name: **GENERAL CHEMISTRY-I**

Course/Paper Code: **BSCCEMMJ101** Assigned Syllabus: **Periodic Table**

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of August, 2023	Electron gain enthalpy	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd week of August, 2023	Trends of electron gain enthalpy	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd week of August, 2023	Electronegativity	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th week of August, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st week of September, 2023	Electronegativity, Pauling, Mullikan, Allred-Rochow scales,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd week of September, 2023	Electronegativity, Pauling, Mullikan, Allred-Rochow scales,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd week of September, 2023	Electronegativity, Pauling, Mullikan, Allred-Rochow scales,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th week of September, 2023	Electronegativity and bond order, partial charge, hybridization and its different scales.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of October, 2023	Group electronegativity. Sanderson electron density ratio.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd week of October, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

3RD Semester

Name of Teacher/Course Instructor: **Mr. PatitPaban Malik**

Course/Paper Name: **Physical Chemistry & Inorganic Chemistry**

Course/Paper Code: **BSCPCEMC301**

Assigned Syllabus: **Phase Equilibria and Colligative Properties, Electrochemistry, Chemical Kinetics, Chemical and Ionic Equilibrium**

Assigned Classes: **3 classes per week**

Expected Time Span	Topics Covered	Teaching Method
4 th week of August, 2023	Phase rule equation (derivation excluded); phase diagram of water system, Miscibility (phenol-water) and distillation of completely miscible binary liquid mixtures; azeotropes, Steam distillation	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st week of September, 2023	Graphical approach of Raoult's law of vapour pressure and colligative properties: osmosis, lowering of freezing point, elevation of boiling point.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd week of September, 2023	Experimental methods of determination of molecular weights of substances in dilute solutions, van't Hoff 'i' factor and abnormal behaviour of electrolytic solutions	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd week of September, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
4 th week of September, 2023	Electrolytic conduction, transport number (experimental determination excluded), velocity of ions: specific, equivalent and molar conductances	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st week of October, 2023	Determination of equivalent conductivity of solutions, Kohlrausch's law, strong and weak electrolytes	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd week of October, 2023	Ion atmosphere; electrophoretic and relaxation effects. Debye-Huckel theory (qualitative) and the limiting law.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st week of November, 2023	Electrochemical cells, half-cells (with types and examples), Nernst equation and standard electrode potentials, standard cells	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st week of November, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
4 th week of November, 2023	Order and molecularity of reactions, integrated rate laws (first and second order), average life period, concept of Arrhenius activation energy	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st week of December, 2023	Catalysis, autocatalysis, enzyme catalyst, catalyst poisons, promoters, elementary treatment of mechanism of catalysis	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd week of December, 2023	Conditions of spontaneity and equilibrium, degree of advancement and Le Chatelier principle; Van't Hoff isotherm, isobar and isochore.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)

3 rd week of December, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
--	---	---

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2022-23

5thSemester

Name of Teacher/Course Instructor: **Mr. PatitPaban Malik**

Course/Paper Name: Applied Chemistry

Course/Paper Code: BSCPCEMDSE0501

Assigned Syllabus: Analytical Chemistry, Basic Principles of Green Chemistry, Colloidal State, Macromolecular Chemistry

Assigned Classes: **Three (3) Classes per Week**

Expected Time Span	Topics Covered	Teaching Method
1 st week of August, 2023	Accuracy and precision in analysis, types of errors, data analysis and curve fitting (linear $Y = mX + C$ type), numerical problems, mean, mode and variant	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd week of August, 2023	Principles of acid-base titration, use of indicators and indicator constant, titration of $\text{Na}_2\text{CO}_3 + \text{NaHCO}_3$ mixture vs HCl using different indicators, estimation of mixture of strong and weak acids, qualitative discussion of salt hydrolysis	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd week of August, 2023	Single electrode potential and emf of a chemical cell, principles of redox titration, use of redox potentials, iodometry, iodimetry, use of $\text{K}_2\text{Cr}_2\text{O}_7$ and KMnO_4 as oxidant (acid, neutral and alkaline media)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th week of August, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st week of September, 2023	Tools of green chemistry including the use of alternative feed stocks or starting materials, reagents, solvents, target molecules,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd week of September, 2023	Catalysts (homogeneous, heterogeneous and biocatalysis), green chemistry as the alternative chemistry for protection of environment.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd week of September, 2023	General classification, general methods of preparation of lyophobic colloids and general properties of colloids..	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th week of September, 2023	Ideas of coagulation, peptization, protective colloids, dialysis, gold number, isoelectric point,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)

	Brownian motion	
1 st week of October, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
2 nd Week of October, 2023	Introduction, definition of macromolecules, natural and synthetic polymers, monomers, polymers, degree of polymerization, simple idea of polymer structure: homopolymer (linear, branched, crosslinked) and copolymer (random, block, graft), polyethylene and PVC, macromolecules and environment.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st week of November, 2023	Number and weight average molecular weights of polymers – significance, structure and use of natural rubber, synthetic rubber (neoprene), synthetic fibres (Nylon 66, poly ester), plastics like polyethylene and PVC, macromolecules and environment.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th week of , November, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: **Dr. Snigdha Roy**

1st Semester (NEP-Major and Minor)

Course/Paper Name: **GENERAL CHEMISTRY-I**

Course/Paper Code: **BSCCEMMJ101 and BSCCEMMN101**

Assigned Syllabus: **Portion from Basic of Organic Chemistry (Unit 4)**

Assigned Classes: **1Major and 1 Minor Classes per week**

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of August, 2023	Classification and Nomenclature of Different types of Substituted Aliphatic Organic Compounds	Chalk & Board/ppt lectures
3 rd & 4 th Week of August, 2023	Classification and Nomenclature of Different types of Substituted Aromatic Organic Compounds	Chalk & Board/ppt lectures
5 th Week of August, 2023	Classification and Nomenclature of bridged organic compounds, concept of hybridization	Chalk & Board/ppt lectures
1 st and 2 nd Week of September, 2023	Orbital pictures of bonding and shapes of molecules and Calculation of formal charges	Chalk & Board/ppt lectures
3 rd and 4 th Week of September, 2023	Double bond equivalent and solving problems	Chalk & Board/ppt lectures
5 th Week of September, 2023	Class Test on the topics covered till date and Remedial Discussion	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
1 st Week of October, 2023	Introduction to the concept of asymmetry and Stereoisomerism	Chalk & Board/ppt lectures
2 nd Week of October, 2023	Concept of Conformations and configurations	Chalk & Board/ppt lectures
1 st and 4 th Week of November, 2023	Discussion on Flying-wedge, Fischer, Sawhorse and Newman projection formulae	Chalk & Board/ppt lectures
5 th Week of November, 2023	Inter conversions of Flying-wedge, Fischer, Sawhorse and Newman projection formulae	Chalk & Board/ppt lectures
1 st Week of December, 2023	Discussion of various nomenclature system including D/L, R/S, E/Z	Chalk & Board/ppt lectures
2 nd Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
3 rd Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session

Note: Study materials are supplied on the basis of the requirement of the students. Home Assignments are provided to the students. Students are informed to submit those assignments within due time as mentioned by the Teacher.

3rd Semester(CBCS)

Course/Paper Name: **Organic Chemistry – III (CC-6)**

Course/Paper Code: **BSCHCEMC302**

Assigned Syllabus: **Unit I(Nitrogen Compounds)**

Assigned Classes: **2 Classes per week**

Expected Time Span	Topics Covered	Teaching Method
5 th Week of August, 2023	Introductory Class, Aliphatic and aromatic nitrogen compounds	Chalk & Board/ppt lectures
1 st and 2 nd Week of September, 2023	Synthesis, physical properties and reactions of amines	Chalk & Board/ppt lectures
3 rd Week of September, 2023	Synthesis, physical properties and reactions of nitro compounds	Chalk & Board/ppt lectures
4 th Week of September, 2023	Synthesis, physical properties and reactions of alkyl nitrites	Chalk & Board/ppt lectures
1 st Week of October, 2023	Synthesis, physical properties and reactions of aromatic diazonium compounds	Chalk & Board/ppt lectures
2 nd Week of October, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
1 st Week of November, 2023	Synthesis, physical properties and reactions of nitrophenols and aminophenols	Chalk & Board/ppt lectures
4 th Week of November, 2023	Synthesis, physical properties and reactions of nitro anilines	Chalk & Board/ppt lectures
1 st Week of December, 2023	Synthesis, physical properties and reactions of amino carboxylic acids	Chalk & Board/ppt lectures
2 nd Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
3 rd Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session

Note: Study materials are supplied on the basis of the requirement of the students. Home Assignments are provided to the students. Students are informed to submit those assignments within due time as mentioned by the Teacher.

5th Semester(CBCS)

Course/Paper Name: Organic Chemistry – V (CC-11)

Course/Paper Code: BSCHCEMC501

Assigned Syllabus: Portion of Unit I and Unit II

Assigned Classes: 3 Classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of August, 2023	Nucleic acids: pyrimidine and purine bases (only structure & nomenclature);	Chalk & Board/ppt lectures
3 rd Week of August, 2023	nucleosides and nucleotides corresponding to DNA and RNA	Chalk & Board/ppt lectures
4 th Week of August, 2023	mechanism for acid catalyzed hydrolysis of nucleosides (both pyrimidine and purine types)	Chalk & Board/ppt lectures
5 th Week of August, 2023	elementary idea of double helical structure of DNA (Watson-Crick Model) and complimentary base-pairing in DNA	Chalk & Board/ppt lectures
1 st Week of September, 2023	Introduction to metabolism (catabolism, anabolism)	Chalk & Board/ppt lectures
2 nd Week of September, 2023	Outline of catabolic pathways of carbohydrate glycolysis	Chalk & Board/ppt lectures
3 rd Week of September, 2023	Krebs cycle, Electron transfer process in biological redox systems: NAD ⁺ , FAD	Chalk & Board/ppt lectures
4 th Week of September, 2023	ATP: The source of cellular energy, ATP hydrolysis and free energy change	Chalk & Board/ppt lectures
1 st Week of October, 2023	Catabolic pathways of protein and fat, fermentation	Chalk & Board/ppt lectures
2 nd Week of October, 2023	Conversion of food to energy, Caloric value of food, standard caloric content of food types	Chalk & Board/ppt lectures
1 st Week of November, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode & Discussion/Interactive Session
	Remedial Discussion as per the performance of the Students	
4 th Week of November, 2023	peptide linkage and its geometry; syntheses (with mechanistic details) of peptides using <i>N</i> -protection & <i>C</i> -protection,	Chalk & Board/ppt lectures
5 th Week of November, 2023	solid-phase peptide (Merrifield) synthesis; sequence of amino acids in peptide: <i>C</i> -terminal and <i>N</i> -terminal unit determination (Edman, Sanger & 'dansyl' methods)	Chalk & Board/ppt lectures
1 st Week of December, 2023	partial hydrolysis; Concept of primary, secondary and tertiary structure of proteins, classification of proteins, denaturation of proteins.	Chalk & Board/ppt lectures
2 nd Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session

Note: Study materials are supplied on the basis of the requirement of the students. Home Assignments are provided to the students. Students are informed to submit those assignments within due time as mentioned by the Teacher.

Curriculum/Teaching Plan for *Even Semesters of the Academic Year 2023-24*

2nd Semester (NEP-Major and Minor)

Course/Paper Name: General Chemistry–II

Course/Paper Code: BSCCEMMJ201 and BSCCEMMN201

Assigned Syllabus: Portion of Unit 4(Properties of Liquids)

Assigned Classes: 1 Major and 1 Minor Class per week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April, 2024	Properties of Liquids - Viscosity of liquids: principles of determination (falling sphere)	Chalk & Board/ppt lectures
3 rd Week of April, 2024	principles of determination of Viscosity of liquids by Poiseuille's equation	Chalk & Board/ppt lectures
4 th Week of April, 2024	principles of determination of Viscosity of liquids by Ostwald viscometer, temperature dependence of liquid viscosity	Chalk & Board/ppt lectures
1 st Week of May, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
2 nd Week of May, 2024	Surface energy and surface tension: temperature dependence	Chalk & Board/ppt lectures
3 rd Week of May, 2024	Vapour pressure over a curved surface	Chalk & Board/ppt lectures
4 th Week of May, 2024	conditions of convexity and concavity of meniscus; wetting	Chalk & Board/ppt lectures
5 th Week of May, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
1 st Week of June, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
2 nd Week of June, 2024	Principles of determination of liquid surface tension by capillary-rise	Chalk & Board/ppt lectures
3 rd Week of June, 2024	Principles of determination of fluid surface tension by drop-weight methods	Chalk & Board/ppt lectures
4 th Week of June, 2024	liquid crystal	Chalk & Board/ppt lectures
1 st Week of July, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
2 nd Week of July, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
Note: Study materials are supplied on the basis of the requirement of the students. Home Assignments are provided to the students. Students are informed to submit those assignments within due time as mentioned by the Teacher.		

2nd Semester (Multi-Disciplinary Course)

Course/Paper Name: **Pharmaceutical Chemistry (Sec-2)**

Course/Paper Code: **BSCCEMSE201**

Assigned Syllabus: **Portion of Unit I (Drugs & Pharmaceuticals)**

Assigned Classes: **1 Class per week**

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of April, 2024	What are drugs and why do we need new ones? Drug discovery	Chalk & Board/ppt lectures
4 th Week of April, 2024	Drug discovery and design, Sources of drugs and lead compounds	Chalk & Board/ppt lectures
1 st Week of May, 2024	Natural sources, Drug synthesis, Structure–activity relationships (SARs)	Chalk & Board/ppt lectures
2 nd Week of May, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
3 rd Week of May, 2024	pharmacokinetics and pharmacodynamics? Introduction to drug action, Absorption	Chalk & Board/ppt lectures
4 th Week of May, 2024	Distribution, Metabolism, Elimination, Solubility and drug design	Chalk & Board/ppt lectures
5 th Week of May, 2024	The importance of water solubility, Salt formation, Lipophilicity, Electronic effects and steric effects.	Chalk & Board/ppt lectures
1 st Week of June, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
2 nd Week of June, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
3 rd Week of June, 2024	Drugs & Pharmaceuticals Drug discovery, design and development, Basic Retrosynthetic approach	Chalk & Board/ppt lectures
4 th Week of June, 2024	Synthesis of the representative drugs of the following classes: analgesics agents, antipyretic agents,	Chalk & Board/ppt lectures
1 st Week of July, 2024	anti-inflammatory agents (Aspirin, paracetamol, Ibuprofen); antibiotics (Chloramphenicol)	Chalk & Board/ppt lectures
2 nd Week of July, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
3 rd Week of July, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
Note: Study materials are supplied on the basis of the requirement of the students. Home Assignments are provided to the students. Students are informed to submit those assignments within due time as mentioned by the Teacher.		

4th Semester (CBCS)

Course/Paper Name: **Organic Chemistry-IV (Core-9)**

Course/Paper Code: **BSCHCEMC402**

Assigned Syllabus: **Unit II (Organic Spectroscopy)**

Assigned Classes: **2 Classes per week**

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Introductory Class, Principle of ¹ H NMR, nuclear spin	Chalk & Board/ppt lectures
4 th Week of February, 2024	NMR-active nuclei, chemically equivalent and nonequivalent protons.	Chalk & Board/ppt lectures
1 st Week of March, 2024	Chemical shift, upfield and downfield shifts, Shielding/deshielding of protons in systems involving C-C, C=O, C=C, benzene, cyclohexane.	Chalk & Board/ppt lectures
2 nd Week of March, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
3 rd Week of March, 2024	Spin-spin splitting with reference to CH ₃ CH ₂ Br, CH ₃ CH ₂ OH, Br ₂ CHCH ₂ Br, Characteristic ¹ H NMR signals for simple molecules.	Chalk & Board/ppt lectures
4 th Week of March, 2024	Principle of IR spectroscopy, Hooke's law, stretching and bending vibrations.	Chalk & Board/ppt lectures
1 st Week of April, 2024	Characteristic and diagnostic stretching frequencies, Factors affecting stretching frequencies (H-bonding, electronic factor, ring size), finger-print region.	Chalk & Board/ppt lectures
2 nd Week of April, 2024	Diagnostic bending frequencies for benzene and its <i>o</i> -, <i>m</i> - and <i>p</i> -isomer	Chalk & Board/ppt lectures
3 rd Week of April, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
4 th Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1 st Week of May, 2024	UV Spectroscopy: Electromagnetic radiation, Lambert-Beer law, electronic transitions, λ_{\max} & ϵ_{\max} chromophore, auxochrome, bathochromic, hypsochromic, hyperchromic and hypochromic shifts.	Chalk & Board/ppt lectures
2 nd Week of May, 2024	Application of electronic spectroscopy and Woodward-Fieser rules for calculating λ_{\max} of acyclic and cyclic conjugated dienes	Chalk & Board/ppt lectures
3 rd Week of May, 2024	Application of electronic spectroscopy and Woodward-Fieser rules for α , β -unsaturated carbonyl compounds	Chalk & Board/ppt lectures
4 th Week of May, 2024	Elementary idea of Mass Spectrometry and fragmentation rule in characterization of organic compounds	Chalk & Board/ppt lectures
1 st Week of June, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
2 nd Week of June, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session

Note: Study materials are supplied on the basis of the requirement of the students. Home Assignments are provided to the students. Students are informed to submit those assignments within due time as mentioned by the Teacher.

4th Semester (SEC)

Course/Paper Name: **Fuel Chemistry(SEC-2)**

Course/Paper Code: **BSCHCEMSE402**

Assigned Syllabus: **Portion of Unit I (Energy Sources)**

Assigned Classes: **1 Class per week**

Expected Time Span	Topics Covered	Teaching Method
4 th Week of March, 2024	Review of energy sources (renewable and non-renewable).	Chalk & Board/ppt lectures
1 st Week of April, 2024	Classification of fuels and their calorific value. Coal: Uses of coal	Chalk & Board/ppt lectures
2 nd Week of April, 2024	Uses of coal (fuel and nonfuel) in various industries	Chalk & Board/ppt lectures
3 rd Week of April, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
4 th Week of April, 2024	Composition of coal and carbonization of coal	Chalk & Board/ppt lectures
1 st Week of May, 2024	Coal gas, producer gas and water gas	Chalk & Board/ppt lectures
2 nd Week of May, 2024	Composition of coal gas, producer gas and water gas and their uses	Chalk & Board/ppt lectures
3 rd Week of May, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
4 th Week of May, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
Note: Study materials are supplied on the basis of the requirement of the students. Home Assignments are provided to the students. Students are informed to submit those assignments within due time as mentioned by the Teacher.		

6th Semester(CBCS)

Course/Paper Name: **Physical Chemistry-IV (CC-14)**

Course/Paper Code: **BSCHCEMC602**

Assigned Syllabus: **Portion of Unit V (Photochemistry & Spectroscopy)**

Assigned Classes: **2 Classes per week**

Expected Time Span	Topics Covered	Teaching Method
4 th Week of February, 2024	Introductory Class, Primary photophysical processes.	Chalk & Board/ppt lectures
1 st Week of March, 2024	Potential energy diagram, Franck-Condon principle, Vibrational structure of electronic spectra, Bond dissociation.	Chalk & Board/ppt lectures
2 nd Week of March, 2024	Decay of excited state by radiative and nonradiative paths.	Chalk & Board/ppt lectures
3 rd Week of March, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper

		Mode
4 th Week of March, 2024	Jablonsky diagram, laws of photochemistry, Fluorescence and phosphorescence.	Chalk & Board/ppt lectures
1 st Week of April, 2024	Quantum yield, Photochemical equilibrium, Photosensitized reactions.	Chalk & Board/ppt lectures
2 nd Week of April, 2024	Kinetics of HI decomposition.	Chalk & Board/ppt lectures
3 rd Week of April, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
4 th Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1 st Week of May, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode

6th Semester (DSE)

Course/Paper Name: Dynamic Stereochemistry (DSEC-3/4)

Course/Paper Code: BSCHCEMDSE602

Assigned Syllabus: Unit III

Assigned Classes: 1 Class per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of March, 2024	Introductory Class, Polar addition reactions to alkene	Chalk & Board/ppt lectures
4 th Week of March, 2024	Prevost and Woodward Hydroxylation	Chalk & Board/ppt lectures
1 st Week of April, 2024	Hydroxylation by OsO ₄ followed by reductive cleavage	Chalk & Board/ppt lectures
2 nd Week of April, 2024	Catalytic reductions of alkenes and alkynes	Chalk & Board/ppt lectures
3 rd Week of April, 2024	Nucleophilic substitution on saturated carbon	Chalk & Board/ppt lectures
4 th Week of April, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
1 st Week of May, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
2 nd Week of May, 2024	E ₁ and E ₂ reaction, Stereoconvergent Elimination	Chalk & Board/ppt lectures
3 rd Week of May, 2024	Stereochemical aspects of Pinacol rearrangement, Beckmann rearrangement	Chalk & Board/ppt lectures
4 th Week of May, 2024	Stereochemical aspects of Claisen rearrangement and Cope rearrangement.	Chalk & Board/ppt lectures
1 st Week of June, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Google Form/Google Quiz/ Pen and Paper Mode
2 nd Week of June, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session

Note: Study materials are supplied on the basis of the requirement of the students. Home Assignments are provided to the students. Students are informed to submit those assignments within due time as mentioned by the Teacher.

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Jyotirmoy Ghosh

5thSemester

Course/Paper Name: CC-11 Organic Chemistry – V

Course/Paper Code: BSCHCEMC501

Assigned Syllabus: Unit IV: Synthetic Methodology

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of August, 2023	Features of organic synthesis, <i>Retrosynthetic analysis</i> : disconnections	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of August, 2023	concept of synthons and synthetic equivalents, donor and acceptor synthons;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	illogical electrophiles and nucleophiles, natural reactivity and <i>umpolung</i> ;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September, 2023	synthesis involving <i>umpolung</i> strategy, latent polarity in bifunctional compounds: consonant and dissonant polarity; interconversion and addition of functional groups (FGI and FGA);	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	functional group removal (FGA); C-C disconnections and synthesis: one-group and two-group (1,2- to 1,5-dioxygenated compounds)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
2 nd Week of October, 2023	reconnection (1,6-dicarbonyl. Synthesis involving enolates and enamines with special reference to diethyl malonate and ethyl acetoacetate	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Robinson annelation; synthesis through protection of functional groups (alcohol, amine, carbonyl, acid)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	Air pollution control measures: cyclone collector, electrostatic precipitator, catalytic converter, detection, collection and principles of estimation of CO, NO _x , SO ₂ , H ₂ S and SPM in air samples	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	Strategy of ring synthesis: thermodynamic and kinetic factors; synthesis of large rings, application of high dilution technique. Concept and examples of cascade reaction	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Jyotirmoy Ghosh

3rd Semester

Course/Paper Name: CC – 6 (Organic Chemistry – III) & CC – 7 (Physical Chemistry – II)

Course/Paper Code: BSCHCEMC302 & BSCHCEMC303

Assigned Syllabus: Unit – II: Heterocyclic Compounds & Unit – II: Chemical Kinetics –I

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd and 4 th Week of September, 2023	Saturated heterocycles: Structures and synthetic approaches and reactivities of oxiranes, aziridines; oxaziranes, diaziridines and diazirines; oxitanes, azatidanes and thietanes.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September, 2023	Five-membered aromatic heterocycles: General synthetic approaches, properties and reactions of furans, pyrroles and thiophenes.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Six membered aromatic heterocycles: General synthetic approaches, properties and reactions of pyridine and its derivatives.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of October, 2023	Condensed heterocycles: General synthetic approaches, properties and reactions of indole, quinoline and isoquinoline.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
4 th Week of November, 2023	Introduction, reaction rate and extent of reaction, order and molecularity	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	kinetics of zero, first, second, fractional and pseudo-first order reactions;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	determination of order of reaction, opposing, consecutive and parallel reactions (first order), concept of steady state and rate determining step,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of December, 2023	chain reaction: elementary idea, illustrations with H ₂ -Br ₂ and H ₂ -O ₂ reactions. Temperature dependence of reaction rate, Arrhenius equation.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of December, 2023	Remedial/Special Tutorial Classes as per the performance & need of the students	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/ Assignment via Google Form/Google Quiz
3 rd and 4 th Week of September, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Jyotirmoy Ghosh

3rd Semester

Course/Paper Name: Organic Chemistry – III Lab

Course/Paper Code: BSCHCEMC302 Lab

Assigned Syllabus: Organic Chemistry – III Lab

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd and 4 th Week of September	Identification with general reaction and tests of methyl alcohol	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September	Identification with general reaction and tests of ethyl alcohol	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September	Identification with general reaction and tests of acetone	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September	Identification with general reaction and tests of aniline, nitrobenzene	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
3 rd and 4 th Week of September	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
3 rd and 4 th Week of September	Identification with general reaction and tests of tartaric acid	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September	Identification with general reaction and tests of glucose & Salicylic acid	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September	Identification with general reaction and tests of resorcinol & Succinic acid	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September	Class Test/Internal examination on the topics	Assignment via Google Form/Google Quiz
3 rd and 4 th Week of September	Remedial/Special Tutorial Classes as per the performance & need of the students	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/ Assignment via Google Form/Google Quiz
3 rd and 4 th Week of September	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for **Odd Semesters of the Academic Year 2023-24**

Name of Teacher/Course Instructor: Dr. Jyotirmoy Ghosh

1st Semester

Course/Paper Name: CC -2 (Organic Chemistry-I)

Course/Paper Code: BSCHCEMC102

Assigned Syllabus: Unit – I: Basics of Organic Chemistry

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2nd Week of August, 2023	Influence of hybridization on bond properties.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd & 4th Week of August, 2023	Electronic Displacements: Inductive	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd Week of September, 2023	resonance and mesomeric effects,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th Week of September, 2023	hyperconjugation	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st & 2nd Week of October, 2023	their applications	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Formation of alkenes and alkynes by elimination reactions, Mechanism of E ₁ , E ₂ , E1cb reactions.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th Week of November, 2023	Saytzeff and Hofmann eliminations. Reactions of alkenes: Electrophilic additions their mechanisms (Markownikoff / Anti-Markownikoff addition).	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st Week of December, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
2 nd Week of December, 2023	mechanism of oxymercuration, demercuration	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd Week of December, 2023	hydroboration- oxidation	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	ozonolysis, reduction (catalytic and chemical)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2nd Week of August, 2023	syn- and anti-hydroxylation (oxidation).	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd & 4th Week of August, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Jyotirmoy Ghosh

6th Semester

Course Name: Dynamic Stereochemistry

Course Code: BSCHCEMDSE602

Assigned Classes: Three (3) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Conformation and Reactivity in cyclohexanes	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February, 2024	Steric effect and stereoelectronic effect; Neighbouring group effects,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of March, 2024	effects of conformation on rearrangement and transannular reactions in alicyclic system	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of March, 2024	Diastereo selection in cyclic system. Reactions of cyclohexane derivatives;	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd and 4 th Week of	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
2 nd and 3 rd Week of April, 2024	Hydrolysis of ester of cyclohexane carboxylic acids, Esterification Reaction of cyclohexane carboxylic acids,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of April, 2024	S_N1 , S_N2 , E_1 , E_2 , NGP, reactions. Hydride reduction of cyclohexanones to cyclohexanols, oxidation of cyclohexanols with Chromic acid,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of May, 2024	Merged substitution – elimination reaction, Reaction of 2-Aminocyclohexanol by Nitrous acid, Pinacol-pinacolone rearrangement in cyclohexanediols	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of May, 2024	Two Remedial/Special Tutorial Classes Regarding Different Types of chemical computations	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of May, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Jyotirmoy Ghosh

4th Semester

Course Name: CC-9 (Organic Chemistry – IV) & CC-10 (Physical Chemistry – IV)

Course Code: BSCHCEMC402 & BSCHCEMC403

Assigned Syllabus: Unit – IV: Carbohydrates & Unit – III: Chemical kinetics –II

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Monosaccharides: Aldoses up to 6 carbons; structure of D-glucose & D-fructose (configuration & conformation); ring structure of monosaccharides (furanose and pyranose forms)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February, 2024	ring-size determination, Haworth representations and non-planar conformations; anomeric effect (including stereoelectronic explanation)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of March, 2024 2 nd Week of March, 2024	mutarotation; epimerization; reactions (mechanisms in relevant cases): osazone formation, bromine-water oxidation, HNO ₃ oxidation, selective oxidation of terminal –CH ₂ OH of aldoses, reduction to alditols	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
3 rd and 4 th Week of March, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1 st Week of April, 2024	Lobry de Bruyn-van Ekenstein rearrangement; stepping-up (Kiliani-Fischer method)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of April, 2024	stepping-down (Ruff's & Wohl's methods) of aldoses end-group-interchange of aldoses; acetonide (isopropylidene) and benzylidene protections	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of April, 2024	Concept of glycosidic linkages, structure of sucrose, inversion of cane sugar, Elementary idea about starch and cellulose.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of April, 2024	Collision theory of bimolecular reactions, unimolecular reactions, Lindemann theory, transition state theory, free energy and entropy of activation, pressure-dependence of rate constant, primary kinetic salt effect.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of May, 2024	Types of catalyst, specificity and selectivity, Homogeneous catalysis, with reference to acid base and enzyme catalyses, heterogeneous catalysis.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of May, 2024	Two/Three Remedial/Special Tutorial Classes as per the performance of the Students so far	Discussion/Interactive Session Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of May, 2024	Assignment Based Exam covering the whole Unit Syllabi	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Jyotirmoy Ghosh

4th Semester

Course Name: Organic Chemistry – IV (Lab)

Course Code: BSCHCEMGE402

Assigned Syllabus: Organic Quantitative (Lab)

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February,	Estimation of Glucose by Fehling's solution	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February, 2024	Estimation of Glucose by Fehling's solution	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of March, 2024	Estimation of Aniline	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of March, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
3 rd and 4 th Week of March, 2024	Estimation of Aniline	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of April 2024	Estimation of Acetone	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of April, 2024	Estimation of Acetone	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
4 th Week of April, 2024	Class Test/Internal examination on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
1 st Week of May, 2024	One Remedial/Special Tutorial Classes as per the performance of the students so far	Discussion/Interactive Session Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of May, 2024	Assignment Based Exam covering the whole Unit Syllabi	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Dr. Jyotirmoy Ghosh

2ndSemester

Course Name: CC-4 (Organic Chemistry-II)

Course Code:

BSCHCEMC202

Assigned Syllabus: Chemistry of Halogenated Hydrocarbons & Carbonyl Compounds

Assigned Classes: Two (2) Class per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April, 2024	Alkyl halides: Methods of preparation, nucleophilic substitution reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of April, 2024	S _N 1, S _N 2 and S _N i mechanisms with stereochemical aspects and effect of solvent etc.; nucleophilic substitution vs. elimination.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Aryl halides: Preparation, including preparation from diazonium salts. nucleophilic aromatic substitution; S _N Ar, Benzylne mechanism.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Relative reactivity of alkyl, allyl/benzyl, vinyl and aryl halides towards nucleophilic substitution reactions. Organometallic compounds of Mg and Li and their use in synthesis.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
3 rd Week of May, 2024	Structure, reactivity and preparation; Nucleophilic additions, Nucleophilic addition-elimination reactions with ammonia derivatives with mechanism;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of May, 2024	Mechanisms of Aldol and Benzoin condensation, Knoevenagel condensation, Claisen-Schmidt, Perkin, Cannizzaro and Wittig reaction, Beckmann and Benzil-Benzilic acid rearrangements,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of June, 2024	haloform reaction and Baeyer Villiger oxidation, α -substitution reactions, oxidations and reductions (Clemmensen, Wolff Kishner, LiAlH ₄ , NaBH ₄ , MPV, PDC and PGC);	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of June, 2024	Addition reactions of unsaturated carbonyl compounds: Michael addition. Active methylene compounds	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of June, 2023	Keto-enol tautomerism. Preparation and synthetic applications of diethyl malonate and ethyl acetoacetate.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)

4 th Week of June, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students	Discussion/Interactive Session Assignment via Google Form/Google Quiz
4 th Week of June, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

5th Semester (CBCS)

Course/Paper Name: Inorganic Chemistry – IV (Core, CC-XII)

Course/Paper Code: BSCHCEM 502

Assigned Syllabus: Unit I (Redox Potential and Redox Equilibrium)

Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of August, 2023	Some basic aspects of redox reactions, equivalent weights of oxidants and reductants,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of August, 2023	Ion-electron method of balancing redox reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	Complimentary and noncomplimentary redox reactions, disproportionation and comproportionation reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September, 2023	overpotential, electron and atom transfer in redox reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Numerical problems	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
2 nd Week of October, 2023	Standard redox potentials, sign convention, Nernst equation, electrochemical series	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Formal potential and its importance in analytical chemistry; Redox potential: Effect of complex formation	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	Redox potential: Effect of precipitation, Effect of pH change, chemistry of aqua regia and mixed acids	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Numerical problems	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

5th Semester (CBCS)

Course/Paper Name: Inorganic Chemistry – IVLab
Assigned Syllabus: Volumetric Analysis (Redox Titrations)
Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd Week of August, 2023	Some basic aspects of redox titrations, equivalent weight calculation of oxidants and reductants,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	Types of redox titrations and redox indicator	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Permanganometry: Fe(II) + Fe(III)	Laboratory Work
4 th Week of September, 2023	Data analysis	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st and 2 nd Week of October, 2023	Permanganometry: Fe(II) + Ca(II) and Data analysis	Laboratory Work
	Permanganometry: Fe(II) + Cr(III)	Laboratory Work
1 st Week of November, 2023	Data analysis & Practice	Laboratory Work
4 th Week of November, 2023	Questions and Answers discussion	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	Practice	Laboratory Work

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

5th Semester (CBCS)

Course/Paper Name: DSE (Solid State Chemistry)

Course/Paper Code: BSCHCEMDSE 503

Assigned Syllabus: Unit II(Crystallographic Basics)

Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of August, 2023	Crystal, Steno's Law, Hauy's Law (law of rational intercepts), law of constancy of symmetry	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of August, 2023	Weiss indices, Miller's indices, Unit cell	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	Bravais Lattice, Crystal systems, crystal class	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of September, 2023	Bragg's equation with derivation, methods of crystal analysis, application of Bragg's equation	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Numerical problems	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
2 nd Week of October, 2023	Crystal structure of sodium chloride and potassium chloride	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Lattice vector and reciprocal lattice vector	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	Numerical problems	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
1 st Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Questions and Answers discussions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2022-23



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

3rdSemester (CBCS)

Course/Paper Name: Inorganic Chemistry – II (Core, CC-5)

Course/Paper Code: BSCHCEMC301

Assigned Syllabus: Unit III (Properties and Reactions of Important Compounds)

Assigned Classes: 3 classes per week

Expected Time Span	Topics Covered	Teaching Method
3 rd and 4 th Week of September, 2023	Structure, bonding and reactivity of B ₂ H ₆	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Structure, bonding and reactivity of (SN) _x with x = 2, 4	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Structure, bonding and reactivity of phosphazenes and inter halogens	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of October, 2023	Structure of borates and silicates and phosphates	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Structure of borazole, boron nitride and silicones	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
4 th Week of November, 2023	Remedial/Special Tutorial Classes as per the performance of the students so far	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	Structure of thionic acids, reactivity of polyhalides, pseudohalides	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	Reactivity of fluorocarbon, freons and NO _x with environmental effects	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of December, 2023	Chemistry of hydrazine, hydroxylamine and azide Chemistry of thio- and per-sulphates	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of December, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2022-23



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

3rdSemester (CBCS)

Course/Paper Name: Physical Chemistry & Inorganic Chemistry (GE)

Course/Paper Code: BSCHCEMGE301

Assigned Syllabus: Unit – I: Phase Equilibria and Colligative Properties

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of September, 2023	Graphical approach of Raoult's law of vapour pressure	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023	Introduction on colligative property	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Lowering of vapour pressure	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of October, 2023	Lowering of freezing point	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Elevation of boiling point	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Osmosis	Assignment via Google Form/Google Quiz
4 th Week of November, 2023	Experimental methods of determination of molecular weights of substances in dilute solutions	Discussion/Interactive Session
	van't Hoff 'i' factor and abnormal behaviour of electrolytic solutions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	Numerical problems and Questions and Answers discussions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of December, 2023	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Differentiability	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	More Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/ Assignment via Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

1st Semester (NEP 2020)

Course/Paper Name: General Chemistry – I

Course Type: Major

Course/Paper Code: BSCCEMMJ101

Assigned Syllabus: Unit III of the paper (Topic: Covalent and Ionic Bonding)

Assigned Classes: 3 classes per week

Expected Time Span	Topics Covered	Teaching Method
2nd Week of August, 2023	Introduction to covalent bond, concept of hybridization, shape of hybrid orbitals	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd & 4th Week of August, 2023	Lewis structure, Bents rule VSEPR theory and its applications	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd Week of September, 2023	Shape of simple molecules containing lone and bond pairs of electron multiple bonding, sigma and pi-bond approach	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th Week of September, 2023	Resonance, resonance energy, Valence Bond theory (Heitler-London approach)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st & 2nd Week of October, 2023	Introduction to ionic bonding, types of ions, size effect,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Radius ration rule and its limitations	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th Week of November, 2023	Question and answer discussion on the topics covered till date	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st Week of December, 2023	Class Test on covalent bonding	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
2 nd Week of December, 2023	Packing of ions in crystals, Born-Lande equation with derivation, expression of lattice energy, Madelung constant	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd Week of December, 2023	Born-Haber cycle and its application, Solvation energy	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st Week of January, 2024	Numerical problems, questions-answers discussions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

6thSemester (CBCS)

Course/Paper Name: Inorganic Chemistry – V (Core, CC-13)

Course/Paper Code: BSCHCEMC601

Assigned Syllabus: Unit-II: Introduction to Analytical Chemistry (Chromatography)

Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Techniques: Classification, principle and efficiency of the technique.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of February, 2024	Different chromatographic techniques: paper chromatography, column chromatography	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of March, 2024	Different chromatographic techniques:Thin-layer chromatography, Gas chromatography,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Different chromatographic techniques: Affinity chromatography	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of March, 2024	Mechanism of separation: adsorption and partition	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of April, 2024	Mechanism of separation: ion exchange, Discussions of questions-answers	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd and 3 rd Week of April, 2024	Development of chromatograms: frontal, elution and displacement methods.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Qualitative and quantitative aspects of chromatographic methods of analysis using LC	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Qualitative and quantitative aspects of chromatographic methods of analysis using TLC, Questions-	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of May, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

6thSemester (CBCS)

Course/Paper Name: Physical Chemistry – IV (Core, CC-14)

Course/Paper Code: BSCHCEMC602

Assigned Syllabus: Unit – I: Chemical Equilibrium

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Introduction on Chemical Equilibrium	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of February, 2024	Thermodynamic condition of equilibrium	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of March, 2024	Continued...	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Degree of advancement of reaction	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of March, 2024	Continued...	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Le Chatelier's principle	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of March, 2024	Van't Hoff isotherm	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of April, 2024	Van't Hoff isobar	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of April, 2024	Van't Hoff isochore	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of April, 2024	Numerical Problems	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Questions and Answers Discussions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of May, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2022-23



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

6thSemester (CBCS)

Course/Paper Name: Quantum Chemistry & Spectroscopy (DSE)

Course/Paper Code: BSCHCEMDSE603

Assigned Syllabus: Unit – III: Molecular Spectroscopy (Mossbauer Spectroscopy)

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Introduction on Spectroscopy	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of February, 2024	What is Mossbauer Spectroscopy	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of March, 2024	Continued...	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Origin of Mossbauer Spectroscopy	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of March, 2024	Continued...	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
4 th Week of March, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
1 st Week of April, 2024	Chemical shift	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of April, 2024	Quadruple effect	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of April, 2024	Assignment Based Exam covering the whole Syllabus	Discussion/Interactive Session Assignment via Google Form/Google Quiz
3 rd Week of April, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

6thSemester (CBCS)

**Course/Paper Name: Inorganic Chemistry – V Lab
 Physical Chemistry Lab – IV**

Assigned Syllabus: Complexometric Titrations & Gravimetric Analysis

Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Introduction was given on basic principles of gravimetry and gravimetric estimation of nickel as Ni-DMG	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of February, 2024	Laboratory Work and Data Analysis of above experiment	Laboratory Work
1 st Week of March, 2024	Continued..	Laboratory Work
2 nd Week of March, 2024	Introduction was given on basic principles of solvent extraction and determination of partition coefficient of benzoic acid between water and dichloromethane	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of March, 2024	Laboratory Work and Data Analysis of above experiment	Laboratory Work)
	Continued..	Laboratory Work
4 th Week of March, 2024	Instruction on colourimetric determination of pK_{in} of methyl red	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of April, 2024	Laboratory Work and Data Analysis	Laboratory Work
2 nd Week of April, 2024	Laboratory based exam. covering the whole Syllabus Physical Chemistry Lab IV	Laboratory Work
3 rd Week of April, 2024	Laboratory based exam. covering the whole Syllabus Inorganic Chemistry Lab V	Laboratory Work

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

4thSemester (CBCS)

Course/Paper Name: Inorganic Chemistry – III (Core, CC-8)

Course/Paper Code: BSCHCEMC401

Assigned Syllabus: Unit I of the paper (Crystal Field Theory)

Assigned Classes: 2classes per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Introduction to Crystal Field Theory (CFT), discussions on s, p and d-orbitals	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of February, 2024	Splitting of d-orbitals in octahedral and square planar geometry	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of March, 2024	Splitting of d-orbitals in tetrahedral and cubic geometry	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Crystal field stabilization energy (CFSE)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd and 4 th Week of March, 2024	Factor affecting 10 Dq value, critical 10 Dq value	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of April, 2024	Jahn-Teller distortion, high-spin and low-spin complexes	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of April, 2024	Spectrochemical series, Application of CFT	Discussion/Interactive Session
3 rd Week of April, 2024	Nephelauxetic effect, limitation of CFT	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Introduction to LFT	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Discussions of questions-answers	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of May, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

4thSemester (CBCS)

Course/Paper Name: Fuel Chemistry (SEC)

Course/Paper Code: BSCHCEMSE402

Assigned Syllabus: Unit – II: Petroleum and Petrochemical Industry

Assigned Classes: 1class per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Composition of crude petroleum, Refining of petroleum	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of February, 2024	Different types of petroleum products and their applications	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of March, 2024	Fractional distillation (Principle and process) and Cracking (Thermal and catalytic cracking)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Reforming Petroleum and non-petroleum fuels (LPG, CNG, LNG, bio-gas, fuels derived from biomass)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of March, 2024	Reforming Petroleum and non-petroleum fuels (LPG, CNG, LNG, bio-gas, fuels derived from biomass)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of March, 2024	Fuel from waste	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of April, 2024	Synthetic fuels (gaseous and liquids) and clean fuels.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of April, 2024	Petrochemicals: Vinyl acetate, Propylene oxide	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of April, 2024	Petrochemicals: Isoprene, Butadiene, Toluene and its derivatives (Xylene).	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Petrochemicals: Toluene and its derivatives (Xylene).	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Nephelauetic effect, limitation of CFT	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of May, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of May, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Sutanuva Mandal

4thSemester (CBCS)

Course/Paper Name: Inorganic Chemistry & Organic Chemistry (GE)

Course/Paper Code: BSCHCEMGE401

Assigned Syllabus: Unit – III: Oxidation and Reduction

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Electronic concepts, oxidation number	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of February, 2024	Ion-electron method of balancing equations	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of March, 2024	Application of redox reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of March, 2024	Continued..	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of March, 2024	Idea of standard potential and formal potential	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of March, 2024	Discussions of questions-answers	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st and 2 nd Week of April, 2024	Derivation of thermodynamic quantities of cell reactions (ΔG , ΔH and ΔS)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of April, 2024	Continued...	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Numerical problems discussion	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
2 nd Week of May, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Teacher/Course Instructor: Dr. Sutanuva Mandal

2nd Semester (NEP 2020)

Course/Paper Name: General Chemistry – II

Course Type: Major

Course/Paper Code: BSCCEMMJ 201

Assigned Syllabus: Unit II: Redox Potential and Redox Equilibria

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April, 2024	Some basic aspects of redox reactions, equivalent weights of oxidants and reductants,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of April, 2024	Ion-electron method of balancing redox reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Complimentary and noncomplimentary redox reactions, disproportionation and comproportionation reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Overpotential, electron and atom transfer in redox reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of May, 2024	Overpotential, electron and atom transfer in redox reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of May, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of May, 2024	Standard redox potentials, sign convention, Nernst equation, electrochemical series	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of June, 2024	Formal potential and its importance in analytical chemistry; Redox potential: Effect of complex formation	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of June, 2024	Redox potential: Effect of precipitation and pH change	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of June, 2023	Numerical problems	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of June, 2024	Quarries and questions-answers discussion	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Assigned Classes: 1 class per week

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for the period 1st September 2023 to 31st

May 2024

1st Semester

Name of Teacher/Course Instructor: **Dr. Keya Layek**

Course Name: **General Chemistry-I**

Course Code: **BSCCEMMJ101**

Assigned Syllabus: **Unit 3 of the paper (Chemical bonding)**

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
2nd Week of August, 2023	Metallic Bond: Qualitative idea of free electron model	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of August, 2023	Semiconductors, Insulators	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of August, 2023	Semiconductors, Insulators (<i>Contd.</i>)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of September, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
4th Week of September, 2023	Weak Chemical Forces: van'der Waals, ion-dipole, dipole-dipole, induced dipole dipole induced dipole interactions	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of October, 2023	Lenard-Jones 6-12 formula	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Hydrogen bond, effects of hydrogen bonding on melting and boiling points, solubility, dissolution.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of November, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
4 th Week of November, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1 st Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Name of Teacher/Course Instructor: [Dr. Keya Layek](#)
Course Name: [General Chemistry-I](#)
Course Code: [BSCCEMMN101](#)
Assigned Syllabus: [Unit I of the paper](#) (Atomic structure)

Assigned Classes: [1 class per week](#)

Expected Time Span	Topics Covered	Teaching Method
2nd Week of August, 2023	Bohr's theory, Shapes of s, p, d and f orbitals. Contour boundary and probability diagrams. Variation of orbital energy with atomic number.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of August, 2023	Wave mechanics: de' Broglie equation, Heisenberg's Uncertainty	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of August, 2023	Schrödinger's wave equation, significance of ψ and ψ^2 . Quantum numbers and their significance.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of September, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
4th Week of September, 2023	Assignment Based Exam covering the whole	Assignment via Offline Mode/Google Form/Google Quiz
1st Week of October, 2023	Radial and angular wave functions for hydrogen atom. Radial and angular distribution curves	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Pauli's Exclusion Principle, Hund's rule of maximum multiplicity, Aufbau's principle and its limitations	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of November, 2023	Shapes of s, p, d and f orbitals	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of November, 2023	Contour boundary and probability diagrams. Variation of orbital energy with atomic number.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of December, 2023	Contour boundary and probability diagrams. Variation of orbital energy with atomic number.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
3 rd Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Name of Teacher/Course Instructor: Dr. Keya Layek
Course Name: INDUSTRIAL CHEMISTRY (SEC-1)
Course Code: BSCCEMSE101
Assigned Syllabus: Industrial safety and fire protection

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
2nd Week of August, 2023	Fire, Flame, Fire triangle and tetrahedron	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of August, 2023	Flash point, fire point, autoignition temperature	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of August, 2023	Classes of fires	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of September, 2023	Fire extinguishers	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of September, 2023	Fire extinguishers	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of October, 2023	Fire extinguishers	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Fire extinguishers	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of November, 2023	Sprinkler system	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of November, 2023	Inert gases	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

3rd Semester

Name of Teacher/Course Instructor: Dr. Keval Layek

Course Name: **Inorganic Chemistry-II**

Course Code: **BSCHCEMC301**

Assigned Syllabus: **Unit I of the paper (Coordination chemistry-1); Unit II of the paper (Acids and Bases)**

Assigned Classes: **1 class per week**

Expected Time Span	Topics Covered	Teaching Method
1st Week of September, 2023	Werner's Coordination theory, different types of ligands, metal chelates	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of September, 2023	IUPAC nomenclature of coordination compounds, electronic theory of complex compounds, effective atomic number (EAN) and its limitations	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of October, 2023	Valence bond theory in coordination compounds: different geometry, outer and inner orbital complexes, magnetic criterion of bond type, Principle of electroneutrality of atoms, limitations of VBT	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of November, 2023	Brönsted Lowry's concept, Theory of solvent system, Lux-Flood concept, Usanovich's concept., Lewis concept	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of November, 2023	Cosolvating agents, differentiating and leveling effect	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of December, 2023	Drago-Wayland equation, change of bond length parameter in adduct formation, -acidity of the ligands, synergistic effect	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of December, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
4 th Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Name of Teacher/Course Instructor: Dr. Keval Layek

Course Name: Physical Chemistry-II
Course Code: BSCHCEMC303
Assigned Syllabus: Unit I of the paper (Thermodynamics-I)

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
1st Week of September, 2023	Basic formalism, concept of thermal equilibrium and zeroth law of thermodynamics	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of September, 2023	State and path functions	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of October, 2023	Partial derivatives and cyclic rule	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Concept of heat and work	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of November, 2023	Reversible and irreversible processes	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of November, 2023	Graphical representation of work done	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
2 nd Week of December, 2023	Assignment Based Exam covering the whole	Assignment via Offline Mode/Google Form/Google Quiz

Name of Teacher/Course Instructor: Dr. Keval Layek
Course Name: Physical Chemistry II lab
Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
1st Week of October, 2023	Theory of Kinetics of decomposition of H ₂ O ₂ by potassium iodide.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Practical	Laboratory work
1 st Week of November, 2023	Theory of Solubility/solubility product of Mg-carbonate in presence/absence of common ions and/or neutral electrolytes	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)

4 th Week of November, 2023	Practical	Laboratory work
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Name of Teacher/Course Instructor: [Dr. Keya Layek](#)
Course Name: [Physical Chemistry & Inorganic Chemistry](#)
Course Code: [BSCHCEMGE301](#)
Assigned Syllabus: [Unit III of the paper \(Chemical Kinetics\)](#)

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
1st Week of September, 2023	Catalysis	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of September, 2023	Catalysis (<i>Contd.</i>)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of October, 2023	Catalysis (<i>Contd.</i>)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of November, 2023	Autocatalysis, Catalyst poisons, promoters	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of November, 2023	Enzyme Catalysis	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of December, 2023	Second order reaction, Collision Theory	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
3 rd Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

5th Semester

Name of Teacher/Course Instructor: Dr. Keya Layek

Course Name: **Inorganic Chemistry – IV (Core-XII)**

Course Code: **BCHEM 0503**

Assigned Syllabus: **Unit II of the paper (Bioinorganic Chemistry)**

Assigned Classes: **2 class per week**

Expected Time Span	Topics Covered	Teaching Method
2nd Week of August, 2023	Neutron-proton ratio and Segre's chart, modes of decay and neutron-proton ratio, packing fraction	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of August, 2023	Radioactive decay, units of radioactivity, different modes of decay,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of August, 2023	Half-life and average-life of radioelements, radioactive equilibrium,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of September, 2023	Disintegration series	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of September, 2023	Natural radioactive disintegration series,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of October, 2023	Mass defect and nuclear binding energy, magic number	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Group displacement law, Radio carbon dating, principles of determination of age of rocks and minerals,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of November, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
4 th Week of November, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1 st Week of December, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Name of Teacher/Course Instructor: Dr. Keya Layek

Course Name: **Solid State Chemistry**

Course Code: **BSCHCEMDSE503**

Assigned Syllabus: **Unit I of the paper (Basic concepts and Selected structure)**

Assigned Classes: **1 class per week**

Expected Time Span	Topics Covered	Teaching Method
2nd Week of August, 2023	Some basic crystal geometries	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of August, 2023	Close packing models: hexagonal close packing (hcp) (ABAB... type), cubic close packing (ccp) (ABCABC... type)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of August, 2023	Tetrahedral and octahedral holes, packing efficiency	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of September, 2023	Structure of Ionic Crystals: ABtype (i.e. NaCl, CsCl and {ZnS, (sphalerite and wurtzite)}),	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of September, 2023	AB ₂ type (CaF ₂ , SiO ₂ and TiO ₂)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of October, 2023	Ilmenite and perovskite (ABO ₃), spinel (AB ₂ O ₄)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd Week of October, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
1 st Week of November, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
4 th Week of November, 2023	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

2nd Semester

Name of Teacher/Course Instructor: [Dr. Keya Layek](#)

Course Name: **General Chemistry-II**

Course Code: **BSCCEMMJ201**

Assigned Syllabus: **Unit 1 of the paper (Acid-Base and Ionic Equilibrium)**

Assigned Classes: **1 class per week**

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April, 2024	Brönsted Lowry's concept, co-solvating agents, differentiating and leveling effect Theory of solvent system, Lux Flood concept-acidity of the ligands	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)

3 rd Week of April, 2024	Lewis concept- Stability of the adduct (Drago Wayland equation), change of bond length parameter in adduct formation	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of April, 2024	Usanovich's concept. Strength of hydracids and oxyacids, different factors in determining acid-base strength: steric effects (B- and F-strain)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of May, 2024	HSAB) principle: classification and characteristic, hardness and frontier molecular orbital (FMO)	Assignment via Google Form/Google Quiz
2 nd Week of May, 2024	Non-aqueous solvent (liq. NH ₃ , liq. SO ₂)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of May, 2024	Ionic Equilibria: Strong, moderate and weak electrolytes, degree of ionization	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of May, 2024	Ionization constant and ionic product of water. Ionization of weak acids and bases	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of June, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
2 nd Week of June, 2023	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
3 rd Week of June, 2024	Ionization pH scale, common ion effect; dissociation constants of mono-, di- and tri-protic acids Ostwald's dilution law, pH	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of June, 2024	Factors affecting degree of buffer solution and buffer capacity, Henderson equation	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of July, 2024	Hydrolysis constant of salts, indicators	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of July, 2024	Acid-base and its function, Hammett acidity function	
3 rd Week of July, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
3 rd Week of July, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Name of Teacher/Course Instructor: [Dr. Keya Layek](#)

Course Name: General Chemistry-II

Course Code: BSCCEMMJ201

Assigned Syllabus: Practical(Experiments 5 and 6)

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April, 2024	Surface tension of a liquid/solution by drop-weight/drop number	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of April, 2024	Practical	Laboratory work
4 th Week of April, 2024	Viscosity coefficient of a liquid/solution by Ostwald viscometer	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of May, 2024	Practical	Laboratory work

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

4th Semester

Name of Teacher/Course Instructor: [Dr. Keya Layek](#)

Course Name: Physical Chemistry – II

Course Code: BSCHCEMC303

Assigned Syllabus: Unit III of the paper (Electrochemistry); Unit – IV of the paper (Phase Equilibria & Colligative Properties)

Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Electrochemical cells, half cells/electrodes with types and examples	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February,	Cell reactions and thermodynamics of cell reactions	Chalk & Board/ppt/pdf lectures/video lectures (study

2024		materials will be supplied in advance)
1 st Week of March, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
2 nd Week of March, 2024	Nernst equation, standard cells, calomel, Ag/AgCl, quinhydrone and glass electrodes	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of March, 2024	Nernst equation, standard cells, calomel, Ag/AgCl, quinhydrone and glass electrodes (contd.)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of March, 2024	Features and applications, potentiometric titrations (acid base and redox)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of April, 2024	Concentration cells, liquid junction potential	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of April, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
4 th Week of April 2024	Ideal solutions, colligative properties	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of May, 2024	Cryoscopy and osmosis	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of May, 2024	Inter relationships and abnormal behavior in solution, van't Hoff <i>i</i> -factor	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of May, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Name of Teacher/Course Instructor: **Dr. Keya Layek**

Course Name: **Inorganic Chemistry & Organic Chemistry**

Course Code: **BSCHCEMGE401**

Assigned Syllabus: **Unit III of the paper (Oxidation and reduction)**

Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Electronic concepts, oxidation number	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February, 2024	Electronic concepts, oxidation number (<i>Contd.</i>)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of March, 2024	Ion-electron method of balancing equations	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of March, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
3 rd Week of March, 2024	Application of redox reactions	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of March, 2024	Idea of standard potential and formal potential	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of April, 2024	Derivation of thermodynamic quantities of cell reactions (ΔG , ΔH and ΔS).	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of April, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
4 th Week of April, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

Name of Teacher/Course Instructor: [Dr. Keval Layek](#)
Course Name: Physical Chemistry III lab
Assigned Classes: 1 class per week

Expected Time Span	Topics Covered	Teaching Method
---------------------------	-----------------------	------------------------

3 rd Week of February, 2024	Equilibrium constant of the reaction $KI + I_2 = KI_3$ by partition method. 3. Potentiometric titrations of an acid or a base (acid may be monobasic/dibasic, and similarly for the base)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February, 2024	Practical	Laboratory work
1 st Week of March, 2024	Conductometric titrations of an acid or a base (acid may be monobasic/dibasic, and similarly for the base)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of March, 2024	Practical	Laboratory work
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

6th Semester

Name of Teacher/Course Instructor: Dr. Keya Layek

Course/Paper Name: **Inorganic Chemistry – V (Core-XIII)**

Course/Paper Code: **BCHEM 0601**

Assigned Syllabus: **Unit-II of the paper (Introduction to Analytical Chemistry)**

Assigned Classes: **3 classes per week**

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Role of metal ions in biological systems	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February, 2024	Role of metal ions in biological systems (<i>Contd.</i>)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of March, 2024	Role of metal ions in biological systems (<i>Contd.</i>)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of March, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
3 rd Week of March, 2024	Biological functions of hemoglobin and myoglobin	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of	Biological functions of hemoglobin and	Chalk & Board/ppt/pdf

March, 2024	myoglobin(<i>Contd.</i>)	lectures/video lectures (study materials will be supplied in advance)
1 st Week of April, 2024	Metalloproteins and metalloenzymes	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of April, 2024	Carbonate bicarbonate buffering system and carbonicanhydrase	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of April, 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.		

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023 -24

Name of Teacher/Course Instructor: **Mr. Sagen Hansda**

5thSemester

Course/Paper Name: **CC – 12 (Inorganic Chemistry – IV) &DSEC-1 or 2 (Environmental Chemistry)**

Course/Paper Code: **BSCHCEMC502&BSCHCEMDSE502**

Assigned Syllabus: **Unit-I: Redox Potential and Redox Equilibria & Unit-I: The Atmosphere**

Assigned Classes: **Three (3) Classes per Week**

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of August, 2023	EMF Diagram (Latimer, Frost and Pourbaix)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of August, 2023	EMF Diagram (Latimer, Frost and Pourbaix)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	Thermodynamic aspects of disproportionation and comproportionation reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st & 2 nd week of September, 2023	Redox potential and equilibrium constants, redox titration and redox indicators, function of Zimmermann Reinhardt (ZR)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of September, 2023	Composition and structure of the atmosphere: troposphere, stratosphere, mesosphere and thermosphere, ozone layer and its role	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of October, 2023	Major air pollutants: CO, SO ₂ , NO and particulate matters – their origins and harmful effects, problems of ozone layer depletion and involved chemical reactions, greenhouse effect	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of October, 2023	Acid rain and photochemical smog, air pollution episodes, air quality standard, atmospheric stability and temperature inversion, global warming and cooling	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Air pollution control measures: cyclone collector, electrostatic precipitator, catalytic converter, detection, collection and principles of estimation of CO, NO _x , SO ₂ , H ₂ S and SPM in air samples	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	Air pollution control measures: cyclone collector, electrostatic precipitator, catalytic converter, detection, collection and principles of estimation of CO, NO _x , SO ₂ , H ₂ S and SPM in air samples	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023 -24

Name of Teacher/Course Instructor: **Mr. Sagen Hansda**

3rd Semester (Honours)

Course/Paper Name: **CC – 5 (Inorganic Chemistry – II) & CC – 7 (Physical Chemistry – II)**

Course/Paper Code: **BSCHCEMC301 & BSCHCEMC303**

Assigned Syllabus: **Unit-III: Chemistry of s and p Block Elements & Unit – IV: Interface & Dielectrics**

Assigned Classes: **Three (3) Classes per Week**

Expected Time Span	Topics Covered	Teaching Method
4 th Week of August, 2023	Chemistry of s-block elements: Li-Na-K	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st week of September, 2023	Chemistry of p -block elements: B-Al-Ga-In-Tl	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd week of September, 2023	Chemistry of p -block elements: C-Si-Ge-Sn-Pb	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Chemistry of p -block elements: N-P-As-Sb-Bi	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of October, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
2 nd Week of October, 2023	Electrical double layers, zeta potential, overvoltage	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Stern double layer (qualitative idea), Tyndall effect	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	electrokinetic phenomena (qualitative idea), colloids and electrolytes	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	micelle and reverse micelle, critical micelle constant (CMC)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	Remedial/Special Tutorial Classes as per the performance & need of the students	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/ Assignment via Google Form/Google Quiz
3 rd Week of December, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Mr. Sagen Hansda

3rd Semester (GE)

Course/Paper Name: GEC – 3 (Physical Chemistry & Inorganic Chemistry)

Course/Paper Code: BSCHCEMGE301

Assigned Syllabus: Unit – I: Phase Equilibria and Colligative Properties

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
4 th Week of August, 2023	Phase rule equation (derivation excluded)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st week of September, 2023	Phase diagram of water system	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd week of September, 2023	Phase diagram of water system	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Miscibility (phenol-water) and distillation of completely miscible binary liquid mixtures	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of October, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
2 nd Week of October, 2023	Miscibility (phenol-water) and distillation of completely miscible binary liquid mixtures	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Miscibility (phenol-water) and distillation of completely miscible binary liquid mixtures	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	azeotropes, Steam distillation	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	azeotropes, Steam distillation	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	Remedial/Special Tutorial Classes as per the performance & need of the students	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/ Assignment via Google Form/Google Quiz
3 rd Week of December, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Mr. Sagen Hansda

3rd Semester(GE)

Course/Paper Name: GEC – Inorganic Qualitative Practical (Lab)

Course/Paper Code: BSCHEMGE301

Assigned Syllabus: Inorganic Qualitative Practical (Lab)

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
4 th Week of August, 2023	Detection of radicals by analysis of known sample	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st week of September, 2023	Detection of radicals by analysis of known sample	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
2 nd week of September, 2023	Detection of radicals by analysis of known sample	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
3 rd Week of September, 2023	Detection of radicals by analysis of known mixture sample	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
4 th Week of September, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of October, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
2 nd Week of October, 2023	Detection of three radicals by analysis of unknown sample	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st Week of November, 2023	Detection of three radicals by analysis of unknown sample	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
4 th Week of November, 2023	Detection of three radicals by analysis of unknown sample	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st Week of December, 2023	Class Test/Internal examination on the topics	Assignment via Google Form/Google Quiz
2 nd Week of December, 2023	Remedial/Special Tutorial Classes as per the performance & need of the students	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
3 rd Week of December, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for **Odd Semesters of the Academic Year 2023 - 24**

Name of Teacher/Course Instructor: **Mr. Sagen Hansda**

1st Semester

Course/Paper Name: **INDUSTRIAL CHEMISTRY (SEC-1)**

Course/Paper Code: **BSCCEMSE101**

Assigned Syllabus: **Ceramics**

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of August, 2023	Ceramics: Refractories	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of August, 2023	Ceramics: Refractories	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	Ceramics: Refractories	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st week of September, 2023	Ceramics: Refractories	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd week of September, 2023	Ceramics: Refractories	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Ceramics: Refractories	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023	Ceramics: Pottery, porcelain	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
2 nd Week of October, 2023	Ceramics: Pottery, porcelain	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Ceramics: Pottery, porcelain	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	Ceramics: Pottery, porcelain	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	Ceramics: Glass, fibre glass	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	Ceramics: Glass, fibre glass	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)

3 rd Week of December, 2023	Ceramics: Glass, fibre glass	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of January, 2024	Ceramics: Glass, fibre glass	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of January, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for **Odd Semesters of the Academic Year 2023 -24**

Name of Teacher/Course Instructor: **Mr. Sagen Hansda**

1st Semester

Course/Paper Name: **GENERAL CHEMISTRY–I (MNC – 1)**

Course/Paper Code: **BSCCEMMN101**

Assigned Syllabus: **2. Periodic Table**

Assigned Classes: **One (1) Class per Week**

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of August, 2023	Effective nuclear charge, shielding or screening effect, Slater rules, variation of effective nuclear charge in	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of August, 2023	Effective nuclear charge, shielding or screening effect, Slater rules, variation of effective nuclear charge in	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	Effective nuclear charge, shielding or screening effect, Slater rules, variation of effective nuclear charge in	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st week of September, 2023	Effective nuclear charge, shielding or screening effect, Slater rules, variation of effective nuclear charge in	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd week of September, 2023	Effective nuclear charge, shielding or screening effect, Slater rules, variation of effective nuclear charge in	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Ionization enthalpy, Successive ionization enthalpies and factors affecting ionization energy. Applications of	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023	Ionization enthalpy, Successive ionization enthalpies and factors affecting ionization energy. Applications of	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session

2 nd Week of October, 2023	Ionization enthalpy, Successive ionization enthalpies and factors affecting ionization energy. Applications of	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Electron gain enthalpy, trends of electron gain enthalpy.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of November, 2023	Electron gain enthalpy, trends of electron gain enthalpy.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of December, 2023	Electronegativity, Pauling, Mullikan, Allred-Rochow scales, electronegativity and bond order	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of December, 2023	Electronegativity, Pauling, Mullikan, Allred-Rochow scales, electronegativity and bond order	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of December, 2023	Electronegativity and partial charge, hybridization, group electronegativity. Sanderson electron density ratio	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of January, 2024	Electronegativity and partial charge, hybridization, group electronegativity. Sanderson electron density ratio	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of January, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Mr. Sagen Hansda

6th Semester

Course Name: Core - XIII (Inorganic Chemistry – V) & Core-XIV (Physical Chemistry – IV)

Course Code: BCHEM0601 & BCHEM0603

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd & 4 th Week of February, 2024	Errors in chemical analysis: accuracy, precision, determinate, indeterminate, systematic and random errors	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of March, 2024	Errors in chemical analysis: accuracy, precision, determinate, indeterminate, systematic and random errors	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of March, 2024	Source, effect and detection of systematic errors; distribution of random errors	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of March, 2024	Standard deviation of calculated results- sum or difference, product or quotient	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)

4th Week of March, 2024	Significant figures, rounding and expressing results of chemical computations	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1st Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
2nd Week of April, 2024	Alkali metal spectra	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of April, 2024	Multiplicity of spectral lines, idea of spin quantum number	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of April, 2024	Physical idea of spin orbit coupling	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1st Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
2nd Week of May, 2024	Two Remedial/Special Tutorial Classes Regarding Different Types of chemical computations	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of May, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023 -24

Name of Teacher/Course Instructor: Mr. Sagen Hansda

4th Semester (Honours)

Course Name: CC-8 (Inorganic Chemistry – III) & CC-10 (Physical Chemistry – III)

Course Code: BSCHCEMC401 & BSCHCEMC403

Assigned Syllabus: Unit - II: Chemistry of d and f Block Elements & Unit – I: Thermodynamics II & Application

Assigned Classes: Three (3) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3rd Week of February, 2024	General comparison of 3d, 4d and 5d elements with special reference to electronic configuration, variable valency, ability to form coordination complexes, spectral magnetic catalytic properties	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of February, 2024	General comparison of 3d, 4d and 5d elements with special reference to electronic configuration, variable valency, ability to form coordination complexes, spectral magnetic catalytic properties	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)

1 st & 2 nd Week of March, 2024	General comparison of 3d, 4d and 5d elements with special reference to electronic configuration, variable valency, ability to form coordination complexes, spectral magnetic catalytic properties	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd & 4 th Week of March, 2024	Chemistry of some representative compounds: $K_2Cr_2O_7$, $KMnO_4$, Prussian blue, Turnbull's blue, $K_4[Fe(CN)_6]$	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st & 2 nd Week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
	Chemistry of some representative compounds: $K_2[Ni(CN)_4]$, H_2PtCl_6 , $Na_2[Fe(CN)_5NO]$, Millon's Base, Ruthenium red, Magnus green salt, Reinecke's salt	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of April, 2024	Thermodynamic relations, Maxwell relations, thermodynamic equation of state, Gibbs-Helmholtz equation and its consequence	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of April, 2024	Joule-Thomson (J-T) experiment inversion temperature, J-T coefficient for a van der Waals gas, general heat capacity relations	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st & 2 nd Week of May, 2024	Additivity rule, partial molar quantities, chemical potential and its variation with T and P	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of May, 2024	Gibbs-Duhem equation, fugacity of gases and fugacity coefficient	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
1 st & 2 nd Week of June, 2024	Two/Three Remedial/Special Tutorial Classes as per the performance of the Students so far	Discussion/Interactive Session Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd & 4 th Week of June, 2024	Assignment Based Exam covering the whole Unit Syllabi	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023 -24

Name of Teacher/Course Instructor: Mr. Sagun Hansda

4th Semester (GE)

Course Name: GEC – 4 (Inorganic Chemistry & Organic Chemistry)

Course Code: BSCHCEMGE401

Assigned Syllabus: Unit – IV: Organic Synthesis

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Preparation of TNT phenyl, acetic acid	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February, 2024	Preparation of salicylic acid	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st & 2 nd Week of March, 2024	Preparation of cinnamic acid	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
3 rd & 4 th Week of March, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
	Preparation of sulphaniic acid	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st & 2 nd Week of April, 2024	Preparation of phenyl hydrazine	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of April, 2024	Preparation of nitrophenols	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of April, 2024	Preparation of nitroanilines, picric acid glycerol	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st & 2 nd Week of May, 2024	Preparation of allyl alcohol, citric acid	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
4 th Week of May, 2024	Two/Three Remedial/Special Tutorial Classes as per the performance of the students so far	Discussion/Interactive Session Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st & 2 nd Week of June, 2024	Assignment Based Exam covering the whole Unit Syllabi	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023 -24

Name of Teacher/Course Instructor: Mr. Sagen Hansda

4th Semester (GE)

Course Name: GEC – Inorganic Quantitative Practical (Lab)

Course Code: BSCHCEMGE401

Assigned Syllabus: Inorganic Quantitative (Lab)

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024	Titration of ferrous iron by KMnO_4	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
4 th Week of February, 2024	Titration of ferrous iron by $\text{K}_2\text{Cr}_2\text{O}_7$	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st & 2 nd Week of March, 2024	To find the total hardness of water by EDTA titration	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
3 rd Week of March, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
4 th Week of March, 2024	Titration of $\text{Na}_2\text{CO}_3 + \text{NaHCO}_3$ mixture vs HCl using phenolphthalein and methyl orange indicators	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st & 2 nd Week of April, 2024	Titration of ferric iron by KMnO_4 using SnCl_2 reduction	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
3 rd & 4 th Week of April, 2024	Titration of ferric iron by $\text{K}_2\text{Cr}_2\text{O}_7$ using SnCl_2 reduction	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st & 2 nd Week of May, 2024	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
3 rd Week of May, 2024	Class Test/Internal examination on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
4 th Week of May, 2024	One Remedial/Special Tutorial Classes as per the performance of the students so far	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st & 2 nd Week of June, 2024	Assignment Based Exam covering the whole Unit Syllabi	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023 - 24

Name of Teacher/Course Instructor: Mr. Sagen Hansda

2nd Semester (Major)

Course Name: GENERAL CHEMISTRY–II (MJC-2)

Course Code: BSCCEMMJ201

Assigned Syllabus: Practical

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April, 2024	Titration of ferrous iron by KMnO_4	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
3 rd Week of April, 2024	Titration of ferrous iron by KMnO_4	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
4 th Week of April, 2024	Titration of ferrous iron by $\text{K}_2\text{Cr}_2\text{O}_7$	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st Week of May, 2024	Titration of $\text{Na}_2\text{CO}_3 + \text{NaHCO}_3$ mixture vs HCl using phenolphthalein and methyl orange indicators	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
2 nd & 3 rd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
1 st Week of June, 2024	Titration of $\text{Na}_2\text{CO}_3 + \text{NaHCO}_3$ mixture vs HCl using phenolphthalein and methyl orange indicators	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
2 nd Week of June, 2024	To find the total hardness of water by EDTA titration	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
3 rd Week of June, 2024	Estimation of alkali content in antacid tablet	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
4 th Week of June, 2024	Surface tension of a liquid/solution by drop-weight/drop number	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
1 st Week of July, 2024	Viscosity coefficient of a liquid/solution by Ostwald viscometer.	Chalk & Board/ppt/pdf lectures/video lectures/Hands-on experiments
2 nd Week of July, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Discussion/Interactive Session Assignment via Google Form/Google Quiz
3 rd Week of July, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023 - 24

Name of Teacher/Course Instructor: Mr. Sagen Hansda

2nd Semester (Minor)

Course Name: GENERAL CHEMISTRY–II (MNC-2)

Course Code: **BSCCEMMN201**

Assigned Syllabus: **2. Redox Potential and Redox Equilibria**

Assigned Classes: **One (1) Class per Week**

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April, 2024	Some basic aspects of redox reactions, equivalent weights of oxidants and reductants, ion-electron method of balancing	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of April, 2024	Complimentary and noncomplimentary redox reactions, overpotential, electron and atom transfer in redox reactions	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of April, 2024	Standard redox potentials, sign convention, Nernst equation, electrochemical series, formal potential and its importance in analytical chemistry	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of May, 2024	Standard redox potentials, sign convention, Nernst equation, electrochemical series, formal potential and its importance in analytical chemistry	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd & 3 rd Week of May, 2024	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
1 st Week of June, 2024	Redox potential: effect of complex formation, effect of precipitation, effect of pH change	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of June, 2024	Redox potential: effect of complex formation, effect of precipitation, effect of pH change	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of June, 2024	EMF Diagram (Latimer, Frost), thermodynamic aspects of disproportionation and comproportionation reactions, redox potential and equilibrium constants	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of June, 2024	Redox titration and redox indicators, function of Zimmermann Reinhardt (ZR) solution	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of July, 2024	Redox titration and redox indicators, function of Zimmermann Reinhardt (ZR) solution	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of July, 2024	Remedial/Special Tutorial Classes as per the performance & need of the students	Discussion/Interactive Session Assignment via Google Form/Google Quiz
3 rd Week of July, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Mithun Chandra Majee

1st Semester

Course/Paper Name: GENERAL CHEMISTRY-1 (MAJOR)

Course/Paper Code: BSCCEMMJ101

Assigned Syllabus: Unit – II: Periodicity of Elements

Assigned Classes: One(1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of August, 2023	Concept of Mendeleev's Periodic Table , Modern Periodic table and the long form of periodic table.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of August, 2023	Description of s, p, d, f block elements	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of September, 2023	Periodic trends of elements	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of September, 2023	(a) Effective nuclear charge, shielding or screening effect, Slater rules,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September , 2023	variation of effective nuclear charge in periodic table	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September , 2023	(e) Ionization enthalpy, Successive ionization enthalpies and factors affecting ionization energy. Applications of ionization enthalpy	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Class Test on the topics covered till date	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Assignment via Offline Mode/Google Form/Google Quiz
		Discussion/Interactive Session

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Mithun Chandra Majee

1st Semester

Course/Paper Name: PRACTICAL (GENERAL CHEMISTRY-1 (MAJOR))

Course/Paper Code:

Assigned Syllabus:

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of August, 2023	Theory and Practical Class for Detection of special elements (N,S and X)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of August, 2023	Theory and Practical Class for Nitrogenous functional groups (amine, nitro and amide gr)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of September, 2023	Theory and Practical Class for derivative preparation for Nitrogenous functional groups	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of September, 2023	Practice Practical Class for unknown functional group detection of organic sample.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Class Test on the topics covered till date	
4 th Week of September, 2023	One Remedial/Special Tutorial Class as per the performance of the students so	

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for **Odd Semesters of the Academic Year 2023-24**

Name of Teacher/Course Instructor: **Dr. Mithun Chandra Majee**

3rd Semester

Course/Paper Name: **CC-6 (Organic Chemistry – III) + CC-7 (Physical Chemistry – II)**

Course/Paper Code: **BSCHCEMC302 + BSCHCEMC303**

Assigned Syllabus: **Unit-4& Unit-2 of the Paper (Organometallics & Electrochemistry)**

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of August, 2023	Preparation and reactions: Grignard reagent;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of August, 2023	Organolithiums; addition of Grignard and organolithium to carbonyl compounds	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of September, 2023	abnormal behavior of Grignard reagents; ortholithiation of arenes;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of September, 2023	Gilman cuprates: substitution on –COX, conjugate addition by Gilman cuprates; Corey-House synthesis; Reformatsky reaction; Blaise reaction	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Conductance and its measurement, cell constant, specific and equivalent conductances, their variations with dilution for strong and weak electrolytes	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of October, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Continuity	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of October, 2023	, molar conductance, transport number and determination by Hittorf methods, Moving Boundary methods,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Kohlrausch's law, Walden's rule, Ion conductance and ionic mobility,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of November, 2023	Application of conductance measurement (determination of solubility product and ionic product of water), conductometric titrations.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of November, 2023	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Differentiability	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	More Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More Home Assignments	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/ Assignment via Google Form/Google Quiz
4 th Week of November, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Mithun Chandra Majee

3rd Semester

Course/Paper Name: SEC-1(Industrial Chemistry)

Course/Paper Code: BBSCHCEMSE301

Assigned Syllabus: Unit -II: Electrochemical and Electro-thermal Industries

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
3rd Week of August, 2023	Preparation and use of Potassium permanganate,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th Week of August, 2023	Preparation and use of, hydrogen peroxide,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st Week of September, 2023	Preparation and use of synthetic graphite,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2nd Week of September, 2023	Preparation and use of, calcium carbide,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd Week of September, 2023	Preparation and use of, carborundum,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz

4 th Week of September, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Two Special Classes Regarding Different Types of Problems	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	Preparation and use of alloy steels	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of October, 2023	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Differentiability	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	More Remedial/Special Tutorial Classes as per the performance & need of the students (if	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/
2 nd Week of November, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Mithun Chandra Majee

3rd Semester

Course/Paper Name: Physical Chemistry & inorganic Chemistry

Course/Paper Code: BBSCHCEMGE301

Assigned Syllabus: Unit –IV: Chemical kinetics and ionic Equilibrium

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
--------------------	----------------	-----------------

3rd Week of August, 2023	Conditions of spontaneity and equilibrium,,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th Week of August, 2023	Degree of advancement and La Chatelier principle	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st Week of September, 2023	Vanthoff isotherm, isovar and isochore	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2nd Week of September , 2023	Ostwald dilution law	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd Week of September , 2023	Henderson equation, neutralization and acid –base indicator	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
4th Week of September, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Continuity	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st Week of October, 2023	Buffers, common ion effect, solubility product (application in analytical chemistry)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th Week of October , 2023	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Differentiability	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st Week of November, 2023	More Remedial/Special Tutorial Classes as per the performance & need of the students (if required)/More	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)/
2nd Week of November, 2023	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: **Dr. Mithun Chandra Majee**

5th Semester

Course/Paper Name: **Inorganic Chemistry – IV (Core-XII)**

Course/Paper Code: **BCHEM 0503:**

Assigned Syllabus: **Unit-III: Organometallic Compounds**

Assigned Classes: Three (3) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st & 2 nd Week of August, 2023	Metal-olefin complexes: Zeise's salt (preparation, structure and bonding)	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of August, 2023	Ferrocene (preparation, structure and reactions),	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of September, 2023	Heptacity of organometallic ligands and their examples	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of September, 2023	Different types of organometallic reaction (elementary idea): oxidative addition,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	Different types of organometallic reaction (elementary idea): oxidative addition,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of September, 2023	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1 st Week of October, 2023	Different types of organometallic reaction (elementary idea): reductive elimination,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of October, 2023	Different types of organometallic reaction (elementary idea): insertion reaction	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	Different types of organometallic reaction (elementary idea): migration reaction	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of November, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: **Dr. Mithun Chandra Majee**

5th Semester

Course/Paper Name: **Environmental Chemistry (DCE)**

Course/Paper Code: **BCHEM 0506:**

Assigned Syllabus: **Unit-III: The Hydrosphere**

Assigned Classes: **One (1) Class per Week**

Expected Time Span	Topics Covered	Teaching Method
1 st & 2 nd Week of August, 2023	Water pollutants: action of soaps and detergents,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd & 4 th Week of August, 2023	phosphates, industrial effluents, agricultural runoff, domestic wastes;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of September, 2023	thermal pollution radioactive pollution and their effects on animal and plant life,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2 nd Week of September, 2023	water pollution episodes,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3 rd Week of September, 2023	waste water treatment: chemical treatment and microbial treatment;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
4 th Week of September, 2023	Water quality standards: DO, BOD, COD, TDS,	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of October, 2023	hardness parameters, desalination of sea water: reverse osmosis,electro dialysis	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4 th Week of October, 2021	detection and estimation of As, Hg, Cd, Pb, Cr, NH ₄ ⁺ and F ⁻ , NO ₃ ⁻	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1 st Week of November, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

Department of Chemistry

Curriculum/Teaching Plan for **Even Semesters of the**

Academic Year 2023-24



Name of Teacher/Course Instructor: **Dr. Mithun Chandra Majee**

2nd Semester

Course Name: **GENERAL CHEMISTRY-II
(MINOR)**

Course Code: **BSCCEMMN201**

Assigned Syllabus: **Properties of Fluids of the Paper**

Assigned Classes: **One (1) Class per Week**

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April 2024,	Maxwell's speed and energy distribution in one- two and three dimensions	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd and 4 th Week of April 2024,	Distribution curves, different types of speeds and their significance	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st and 2 nd Week of May 2024,	Principle of equipartition of energy and its application to calculate the classical limit of molar heat capacity	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd and 4 th Week of May, 2024	Transport properties of gas and Thermal conductivity	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of June, 2024	Viscosity: Mechanism, temperature and pressure dependence and relationship with mean free path	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of June, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
3 rd Week of June, 2024	Collision of gas molecules, collision diameter, collision number and mean free path	
4 th Week of June, 2024	Nature of imperfect gases with references to Van der Waals,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of July, 2024	virial equations of state: Amagat's and Andrews: Boyle temperature	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of July, 2024	Vapour density and limiting density	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of July, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Unit Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Mithun Chandra Majee
2nd Semester

Course Name: PRACTICAL CLASS [GENERAL CHEMISTRY-II](MINOR)

Course Code: BSCCEMMN201

Assigned Syllabus: PRACTICAL 3 & 4

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd Week of April 2024,	Theory and practical class of Estimation of Fe ²⁺ (Titration of ferrous iron by KMnO ₄ / K ₂ Cr ₂ O ₇)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd and 4 th Week of April 2024,	Theory and practical class of Estimation of Alkali content in antacid tablet	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of May 2024	Practice of practical class of Estimation of Fe ²⁺ (Titration of ferrous iron by KMnO ₄ / K ₂ Cr ₂ O ₇)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of May 2024	Practice of practical class of Estimation of Alkali content in antacid tablet	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of May, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
4 th Week of May, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

BanwarilalBhalotia College, Asansol

**Department
of Chemistry**
**Curriculum/Teaching Plan for Even Semesters of the
Academic Year 2023-24**



Name of Teacher/Course Instructor: Dr. Mithun Chandra Majee
2nd Semester

Course Name: INDUSTRIAL CHEMISTRY (SEC-1)

Course Code: BSCCEMSE 101

Assigned Syllabus: ELECTROCHEMICAL AND ELECTRO-THERMAL INDUSTRIES

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd Week of April 2024,	Preparation and use of potassium permanganate	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of April 2024,	Preparation and use of hydrogen peroxide	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of May 2024	Preparation and use of synthetic graphite, calcium carbide	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of May 2024	Preparation and use of carborundum, alloy steels	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of May, 2024	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
4 th Week of May, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Mithun Chandra Majee

4th Semester

Course Name: CC-8 (Inorganic Chemistry – III)

Course Code: BSCHCEMC401

Assigned Syllabus: Unit-1 (Coordination Chemistry-II: Origin of Colours in Transition Metal Compounds)

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd Week of February, 2024,	Introduction of L-S coupling	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of February, 2024	ground state terms	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st and 2 nd Week of March, 2024	selection rules,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
3 rd and 4 th Week of March, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Limit, Continuity & Differentiability	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st and 2 nd Week of April 2024,	Orgel diagrams,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3 rd Week of April 2024	charge transfer spectra (preliminary idea),	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of April 2024	limitations of CFT, nephelauxetic effect,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
1 st Week of May, 2024	introduction to LFT, spectrochemical series.	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd and 3 rd Week of	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz

May, 2024	Two Special Classes Regarding the Theorems & Different Types of Problems	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of May, 2024	Two/Three Remedial/Special Tutorial Classes as per the performance of the Students so far	Discussion/Interactive Session Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
	Assignment Based Exam covering the whole Unit Syllabi	Assignment via Offline Mode/Google Form/Google Quiz

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol
Department of Chemistry
Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24



Name of Teacher/Course Instructor: Dr. Mithun Chandra Majee

6th Semester

Course Name: [(Unit – III + Unit – IV) of Inorganic Chemistry – V (Core-XIII) + Physical Chemistry – IV (Core-XIV)]

Course Code: BSCHCEMC 0601+ BSCHCEMC 0602

Assigned Syllabus: [Catalytic Inorganic reaction + Polymer] + Molecular Spectroscopy

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
3 rd and 4 th Week of February, 2024	Wilkinson Catalyst	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4th Week of February, 2024	, Ziegler-Natta Catalyst	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)

1 st and 2 nd Week of March 2024	Basic concept of polymer, structure and types of plastics	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd and 4th Week of March 2024	Polythene, polystyrene, phenol-formaldehyde, PVC; manufacture	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1st Week of May 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
	Number average molecular weight and weight average molecular weights of polymer- significance	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2 nd Week of May 2024,	Physical properties of and uses of natural rubber, synthetic rubber, synthetic fibers : Nylon:6,6, polyester	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of May 2024	Rotational spectroscopy of diatomic molecules,	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of May 2024	rigid rotator model, characteristic features (spacing and intensity)	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of May, 2024	Vibrational spectroscopy of diatomic molecules,	
1 st Week of June 2024,	Simple Harmonic Oscillator (SHO) model	
2 nd Week of June 2024,	Three Tutorial Classes Regarding Different Types of Problems on Special Relativity	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of June, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
	One Tutorial Class Regarding the Theories & Different Types of Problems on Special Relativity (if required)	Discussion/Interactive Session

Note: Home Assignments will be allotted to the students after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College

Department of Botany

Curriculum/Teaching Plan July 23 to December 23 (Odd Sem) and January 24 to June 24 (Even Sem)

Name of the Teacher- Dr Chanchal Kumar Biswas

1st Semester

Course Name- Plant Groups and Microbial World

Course Code-BSCBOTMJ101/BSCBOTMN101

Assigned Syllabus-Unit I: Plant Groups (Basic Concepts):

Kingdom systems (*Two* kingdom, *Three* kingdom and *five* kingdom system), Classification of Plant Kingdom (By Eichler, 1883); Historical development of the discipline Botany Contributions of Aristotle, Theophrastus, Dioscorides, Parasara, Sushruta, Charak, Carrolus Linnaeus, Engler and Prantl and Sir J.C Bose); General and Comparative account of plant group; Scope and prospects in Botany (include Archaeobotany, Astrobotany and Dendrology also); Alternation of Generations and concept of gametophyte and sporophyte; Origin and evolution of life on planet Earth, Geological Time Scale and Major events of plant lives.

General Features and Classification: Engler and Prantl's Classification (upto Classes); General characteristics and classification of groups upto classes (Aglae By Fritsch (1935), Fungi By Gwenny-Vaughani and Barnes (1937), Bryophytes by Proskauer (1957), Pteridophytes by Sporne (1965), Gymnosperm by Bierhorst (1971).

Assigned Classes- 01 per week for Major/Minor

Expected Time	Syllabus Cover	Teaching Methods
August 3 rd and 4 th week	Kingdom systems (<i>Two</i> kingdom, <i>Three</i> kingdom and <i>five</i> kingdom system), Classification of Plant Kingdom (By Eichler, 1883);	Chalk and Board, PPT, PDF supplied in the students whatsapp group.
September 23	Historical development of the discipline Botany Contributions of Aristotle, Theophrastus, Dioscorides, Parasara, Sushruta, Charak, Carrolus Linnaeus, Engler and Prantl and Sir J.C Bose); General and Comparative account of plant group; Scope and prospects in Botany (include Archaeobotany, Astrobotany and Dendrology also);	
October 23	Alternation of Generations and concept of gametophyte and sporophyte; Origin and evolution of life on planet Earth, Geological Time Scale and Major events of plant lives.	
November 23	General Features and Classification: Engler and Prantl's Classification (upto Classes); General characteristics and classification of groups upto classes (Aglae By Fritsch (1935), Fungi	
December 23	Fungi By Gwenny-Vaughani and Barnes (1937), Bryophytes by Proskauer (1957), Pteridophytes by Sporne (1965), Gymnosperm by Bierhorst (1971).	

2nd Semester (January to June 24)

Course Name- Cryptogamic Botany & Palaeobotany

Course Code- BSCBOTMJ201/ BSCBOTMN201

Assigned Syllabus-Unit I: Unit I: Algae:

Introduction; Habitat and distribution; thallus organization; origin and evolution of sex in algae.

Cell structure and reproduction of Cyanophyceae and Diatoms.

Life histories of *Nostoc*, *Oedogonium*, *Chara*, *Vaucheria*, *Ectocarpus* and *Polysiphonia*.

Expected Time	Syllabus Cover	Teaching Methods
August 3rd and 4th week	Introduction; Habitat and distribution; thallus organization; origin and evolution of sex in algae.	Chalk and Board, PPT, PDF supplied in the students whatsapp group
September 23	Cell structure and reproduction of Cyanophyceae and Diatoms.	
October 23	<i>Nostoc</i> , <i>Oedogonium</i>	
November 23	<i>Chara</i> , <i>Vaucheria</i>	
December 23	<i>Ectocarpus</i> and <i>Polysiphonia</i> .	

Banwarilal Bhalotia College

Department of Botany

**Curriculum/Teaching Plan July, 23 to December, 23 (Odd Sem) and January, 24 to June, 24
(Even Sem)**

Name of the Teacher- Dr. Sanjeev Pandey

Detailed Topic-Wise Teaching Plan for (2023-24) -

ODD SEMESTERS

Semester – 1

Course Code – BSCHBOTMJ101 –

Plant Groups and Microbial World –

Unit II: Introduction to microbial world –


- Historical development in the field of microbiology - (contributions of Antoni van Leuwenhoek, Edward Jenner, Louis Pasteur, Robert Koch and A. Fleming); Microbes and their types.
- Polyphasic approaches in bacterial taxonomy, General idea about Bergey's Manual, Three domain system by C. Woese (1991).
- Microbial nutrition: nutritional types, growth and Reproduction of bacteria.
- Economic importance of bacteria with reference to their role in agriculture, fermentation industry and medicine (This will include only a general list of microbial products and the microorganisms involved).
- Medical Microbiology – Epidemiology, pathogenesis, causal organism and control of air borne disease (influenza), water borne disease (Cholera) and food borne disease (Staphylococcal food poisoning).

ID/MD Paper -

- **Course name – Introduction to local flora**
- What is Life? Criteria and features of life; Five kingdom concept.

Expected Time	Syllabus Covered	Teaching Method
1 st Aug – 30 th Aug	Unit II: Introduction to microbial world Historical development in the field of microbiology - (contributions of Antoni van Leuwenhoek, Edward Jenner, Louis Pasteur, Robert Koch and A. Fleming); Microbes and their types.	Whiteboard and Marker + PPT + Youtube Videos Some youtube links – https://www.youtube.com/watch?v=pY7NaYXsC6I&t=216s https://www.youtube.com/watch?v=mZDT0o7xyQA&t=5s https://www.youtube.com/watch?v=w0IO6cLnaLw&t=58s

		https://www.youtube.com/watch?v=r0KDFm36ZnU&t=9s
1 st Sept – 30 th Sept	Polyphasic approaches in bacterial taxonomy, General idea about Bergey's Manual, Three domain system by C. Woese (1991).	Whiteboard and Marker + PPT +Youtube Videos Some youtube links – https://www.youtube.com/watch?v=8AXgC7VomTY https://www.youtube.com/watch?v=X5a8RPU-_Uo
1 st Oct. – 15 th Oct.	Microbial nutrition: nutritional types, growth and Reproduction of bacteria.	Whiteboard and Marker + PPT +Youtube Videos Some youtube links – https://www.youtube.com/watch?v=IF1oCIEVryY https://www.youtube.com/watch?v=bNU47FAVtXM&t=204s https://www.youtube.com/watch?v=nJ3vyhOuAQ4 https://www.youtube.com/watch?v=x4BSO4vFBmI
16 th Oct.- 31 st Oct	Economic importance of bacteria with reference to their role in agriculture, fermentation industry and medicine (This will include only a general list of microbial products and the microorganisms involved).	Whiteboard and Marker
1 st Nov – 15 th Nov	Medical Microbiology – Epidemiology, pathogenesis, causal organism and control of air borne disease (influenza), water borne disease (Cholera) and food borne disease (Staphylococcal food poisoning).	Whiteboard and Marker + PPT

		 Immunology.pptx
20 th Sept – 30 th Sept	ID/MD Paper - Course name – Introduction to local flora What is Life? Criteria and features of life; Five kingdom concept.	Whiteboard and Marker

Semester - 3

Course Code - - BSCHBOTMJ301

Course Name - Gymnosperms, Mycology and Plant Pathology-I

- Progymnosperms; concept of the group emphasizing on overall description of Archaeopteris.
- General account of fossil members: Pteridospermales: Lyginopteris (Crossotheca male organ and Lagenostoma female organ); Glossopteridales: (Vertebraria root, Araucarioxylon trunk, Glossopteris leaf, Glossotheca male organ, Denkania female organ); Bennettitales: Williamsonia seawardiana reconstruction (Bucklandia stem, Ptilophyllum leaf, Weltrichia male organ, Williamsonia female organ).

Course Code - - BSCHBOTMJ301

Course Name - Gymnosperms, Mycology and Plant Pathology-II

- Origin of gymnosperm (origin of secondary wood, heterospory and evolution of seed habit*, concepts of prepollen and preovule). *Level of heterospory and seed habits in Selaginella and Lepidocarpon must be brought here in discussion

Expected Time	Syllabus Covered	Teaching Method
20 th Aug – 5 th Sept. 5 th Sept. – 5 th Oct.	Gymnosperms, Mycology and Plant Pathology-I Progymnosperms; concept of the group emphasizing on overall description of Archaeopteris. General account of fossil members: Pteridospermales: Lyginopteris (Crossotheca male organ and Lagenostoma female organ); Glossopteridales: (Vertebraria root, Araucarioxylon trunk, Glossopteris leaf, Glossotheca male organ, Denkania female organ); Bennettitales: Williamsonia seawardiana reconstruction (Bucklandia stem, Ptilophyllum leaf, Weltrichia male organ, Williamsonia female organ). Gymnosperms, Mycology and Plant Pathology-II Origin of gymnosperm (origin of secondary wood, heterospory and evolution of seed habit*, concepts of prepollen and preovule). *Level of heterospory and seed	White Board and marker + PPT

21 st Oct. – 30 th Nov. 8 th Nov. – 30 th Nov.	habits in Selaginella and Lepidocarpon must be brought here in discussion	
16 th Sept – 21 st Sept.	Long Botanical Excursion to Darjeeling, Mangpoo and Shitong	Field Study; Photography and Videography; Some wet and Dry Specimen Collection and Preservation; Visit to Lloyd Botanical Garden and Herbarium

Semester – 5

Course Code – BSCHBOTC501

Course Name – Cytology and Genetics

Unit II: Extra-nuclear Inheritance, Linkage, crossing over and chromosome mapping

- Non-Mendelian Inheritance - Maternal effects and cytoplasmic inheritance; Chloroplast mutation: Variegation in Four O'clock plant; Mitochondrial mutations in yeast; Maternal effects-shellcoiling in snail; Infective heredity- Kappa particles in *Paramecium*.
- Linkage and crossing over; Cytological basis of crossing over; Recombination frequency, two factor and three factor crosses; Interference and coincidence; Linkage and Gene mapping, and numericals based on gene mapping;
- **Unit IV: Fine Structure of Gene, Gene Interaction, Population and Evolutionary Genetic** Evolution of Gene Concept - Classical vs molecular concepts of gene : One gene one character; One gene-one enzyme, one gene-one polypeptide hypothesis and beyond; Cis-trans complementation test for functional allelism and gene as unit of function, mutation and recombination, non-coding RNA. Concept of sex determination and Sex chromosomes; Patterns of Sex determination in plants and animals (human, Drosophila and other animals); Sex-linked, sex-limited and sex-influenced characters; Dosage compensation. Allele frequencies, Genotype frequencies, Hardy-Weinberg Law, role of natural selection, mutation, genetic drift. Genetic variation and Speciation.

Course Code - BSCHBOTDSE501

Course Name – Analytical Techniques in Plant Sciences –

Unit I: Cellular Fractionation and Separation Techniques

- Good laboratory practices, Cell fractionation, Sedimentation of cellular particles, type of centrifugation: Differential and density gradient centrifugation, type of rotors, Svedberg equation, Ultracentrifugation and applications

Unit IV: Radiobiology, Colorimetry and Spectroscopy

- Use of radioisotopes in biological research, auto-radiography, pulse chase experiment, Autoradiography.
- Basic principles of Colorimetry and Spectrophotometry (Beer-Lambert Law),

Instrumentation, Comparison between Colorimeter and Spectrophotometer, application of Colorimeter and Spectrophotometer in biological research.

Practical - Demonstration of some Instruments: Centrifuge, Colorimeter/Spectrophotometer and Electrophoresis.

Expected Time	Syllabus Covered	Teaching Method
<p>21st Oct. – 30th Oct.</p> <p>8th Nov. 30th Nov.</p>	<p>Course Code – BSCHBOTC501 Course Name – Cytology and Genetics Unit II: Extra-nuclear Inheritance, Linkage, crossing over and chromosome mapping Non-Mendelian Inheritance - Maternal effects and cytoplasmic inheritance; Chloroplast mutation: Variegation in Four O'clock plant; Mitochondrial mutations in yeast; Maternal effects-shellcoiling in snail; Infective heredity- Kappa particles in <i>Paramecium</i>. Linkage and crossing over; Cytological basis of crossing over; Recombination frequency, two factor and three factor crosses; Interference and coincidence; Linkage and Gene mapping, and numericals based on gene mapping;</p>	<p>Whiteboard and Marker + PPT +Youtube Videos Some youtube links –</p>
<p>7th Aug – 5th Oct.</p>	<p>Unit IV: Fine Structure of Gene, Gene Interaction, Population and Evolutionary Genetic Evolution of Gene Concept - Classical vs molecular concepts of gene : One gene one character; Onegene-one enzyme, one gene-one polypeptide hypothesis and beyond; Cistrans complementation test forfunctional allelism and gene as unit of function, mutation and recombination, non-coding RNA. Concept of sex determination and Sex chromosomes; Patterns of Sex determination in plants and animals (human, Drosophila and other animals); Sex-linked, sex-limited and sex-influenced characters; Dosage compensation. Allele frequencies, Genotype frequencies, Hardy-Weinberg Law, role of natural selection, mutation, genetic drift. Genetic variation and Speciation.</p>	<p>https://youtu.be/MBN261Jntxs?si=ucmuPXHctTwLI1Au</p>

<p>20th Sept – 30th Oct</p> <p>8th Nov. – 30th Nov.</p>	<p>Course Code - BSCHBOTDSE501 Course Name – Analytical Techniques in Plant Sciences – Unit I: Cellular Fractionation and Separation Techniques Good laboratory practices, Cell fractionation, Sedimentation of cellular particles, type of centrifugation: Differential and density gradient centrifugation, type of rotors, Svedberg equation, Ultracentrifugation and applications Unit IV: Radiobiology, Colorimetry and Spectroscopy Use of radioisotopes in biological research, autoradiography, pulse chase experiment, Autoradiography. Basic principles of Colorimetry and Spectrophotometry (Beer-Lambert Law), Instrumentation, Comparison between Colorimeter and Spectrophotometer, application of Colorimeter and Spectrophotometer in biological research. Practical - Demonstration of some Instruments: Centrifuge, Colorimeter/Spectrophotometer and Electrophoresis.</p>	<p>https://www.youtube.com/watch?v=tO9CCMe33fs https://www.youtube.com/watch?v=sbTxQzgwaKo https://www.youtube.com/watch?v=KZ4Exo6jsCc</p>
---	---	--

EVEN SEMESTERS –

Semester – 2

NEP

BSCHBOTMJ201 –

Course name - Cryptogamic Botany and Palaeobotany

Unit – IV (Paleobotany)

Unit IV – Palaeobotany

- Introduction to Palaeobotany – Important terminologies and definitions; Types of fossil on the basis of modes of preservation; Nomenclature, Conditions suitable for fossilization; Importance of fossils and their study; Stratigraphy – Law of superposition, Stratigraphic correlation and stratigraphic deduction based on megafossil and microfossil assemblages.
- Williamsonia seawardiana reconstruction (Bucklandia stem, Ptilophyllum leaf, Weltrichia male organ, Williamsonia female organ).

Expected Time	Syllabus Covered	Teaching Method
<p>1st March – 30th March</p>	<p>BSCHBOTMJ201 – Course name - Cryptogamic Botany and Palaeobotany Unit – IV (Paleobotany) Unit IV – Palaeobotany</p>	<p>White Board and marker + PPT</p>

	<p>Introduction to Palaeobotany – Important terminologies and definitions; Types of fossil on the basis of modes of preservation; Nomenclature, Conditions suitable for fossilization; Importance of fossils and their study; Stratigraphy – Law of superposition, Stratigraphic correlation and stratigraphic deduction based on megafossil and microfossil assemblages.</p> <p>Williamsonia seawardiana reconstruction (Bucklandia stem, Ptilophyllum leaf, Weltrichia male organ, Williamsonia female organ).</p>	
--	--	--

Semester – 4

BSCHBOTC - 403

Course name - Agronomy

Unit-II and Unit-III

- Unit II Fundamentals of soil science Definition of Soil, Components of Soil and their role in agriculture, Physical properties of soil, and their significance, Chemical properties of soil, cation and anion exchange phenomenon and their importance in agriculture.
- Unit III Agricultural Metereology Different meteorological variables related to agriculture, Rainfall- Hydrologic cycle and its components, Types and forms of precipitation, Humidity, definition, windvane, Anemo-meter, Indian Agro Climatic Zones Elementary idea of weather forecasting, etc.

Expected Time	Syllabus Covered	Teaching Method
15 th March – 5 th April	<p>Unit-II and Unit-III</p> <ul style="list-style-type: none"> • Unit II Fundamentals of soil science Definition of Soil, Components of Soil and their role in agriculture, Physical properties of soil, and their significance, Chemical properties of soil, cation and anion exchange phenomenon and their importance in agriculture. • Unit III Agricultural Metereology Different meteorological variables related to agriculture, Rainfall- Hydrologic cycle and its components, Types and forms of precipitation, Humidity, definition, windvane, Anemo-meter, Indian Agro Climatic Zones Elementary idea of weather forecasting, etc. 	Chalk and Board Method and PPT. Practicals and Field work
6 th April – 30 th May		

Semester - 6

Course Code: BSCHBOTC601

Course name - Molecular Biology (Unit-I, Unit-III),

- **Unit I:** Nucleic Acids: Carriers of Genetic Information and Structure 40 Historical perspective; DNA as the carrier of genetic information (Griffith's, Hershey & Chase, Avery, McLeod & McCarty, Fraenkel-Conrat's experiments). DNA Structure: Miescher to Watson and Crick- historic perspective, DNA structure, Salient features of double helix, Types of DNA, Types of genetic material, denaturation and renaturation, cot curves; Organization of DNA- Prokaryotes, Viruses, Eukaryotes. RNA Structure Organelle DNA -- mitochondria and chloroplast DNA. The Nucleosome Chromatin structure- Euchromatin, Heterochromatin- Constitutive and Facultative heterochromatin.
- **Unit III:** Genetic code and transcription Genetic code (deciphering & salient features) and wobble hypothesis. Transcription in prokaryotes and eukaryotes. Principles of transcriptional regulation; Concept of operon Prokaryotes: lac operon. Regulation of lactose metabolism and tryptophan synthesis in E.coli. Eukaryotes: transcription factors, heat shock proteins, steroids and peptide hormones; Gene silencing.

Practicals -

- Preparation of LB medium and raising E.Coli.
- Isolation of genomic DNA from E.Coli.
- DNA isolation from cauliflower head.
- DNA estimation by diphenylamine reagent/UV Spectrophotometry.

Course code - BSCHBOTC602

Course name - Plant Biotechnology and Genetic Engineering Course Code:

Units-II, III and IV-

- **Unit II:** Enzymes and Vectors for Genetic Manipulations Restriction Endonucleases (History, Types I-IV and subtypes of II, Structures, biological role, Mechanism, and usages in cloning); Restriction Mapping (Linear and Circular); Ligases enzymes, Cloning Vectors: History, basic sequences of any vector, types of bacterial vectors (pUC18 and pUC19, pBR322, Ti plasmid, BAC); Yeast vector, viral vectors including Lambda phage, M13 phagemid, Cosmid, Shuttle vector; Eukaryotic Vectors (YAC).
- **Unit III:** Gene Cloning and Methods of Gene Transfer Basic concept of Gene cloning, advantages of gene cloning, Bacterial Transformation methods and selection of recombinant clones using various strategies, PCR- mediated gene cloning; Gene Construct; Plant transformation vector, T-DNA and viral vector, Agrobacterium-mediated Transformation protocols, molecular mechanism of T-DNA transfer, direct gene transfer method by Electroporation, Microinjection, Microprojectile bombardment ;Selection of transgenics- selectable marker and reporter genes (Luciferase, GUS, GFP), chloroplast transformation, transgene analysis, Mutant formation, Marker-free and novel selection strategies.
- **Unit IV:** Major Concerns and Applications of Transgenic Technology Transgenic technology and sustainable agriculture, Biosafety concerns with transgenic technology, History of transgenic development across the world, Major concerns with implementation of transgenic technology in India. Applications as Pest resistant (Bt-cotton); herbicide resistant plants (RoundUp Ready soybean); Transgenic crops with improved quality traits in major crops

(Flavr Savr tomato, Golden rice); Improved horticultural varieties (Moondust carnations); Role of transgenics in bioremediation (Superbug)

Practicals –

- Isolation of plasmid DNA.
- Restriction digestion and gel electrophoresis of plasmid DNA.

Expected Time	Syllabus Covered	Teaching Method
1 st Feb – 20 th Feb	Course Code: BSCHBOTC601 Course name - Molecular Biology – Unit-I	Board work and PPT and youtube pre- recorded self videos
21 st Feb – 15 th March	Unit-III	Hands on Practicals as per protocols
16 th Mar. – 31 st Mar.	Course code - BSCHBOTC602 Course name - Plant Biotechnology and Genetic Engineering Course Code: Units-II, III and IV- Unit II	
1 st April – 15 th April	Unit III	
16 th April – 1 st week of May	Unit IV	

NB – Practicals are included in all theoretical parts whether mentioned or not mentioned and are completed with in the expected time in most of the cases.

Banwarilal Bhalotia College

Department of Botany

Curriculum/Teaching Plan July, 23 to December, 23 (Odd Sem) and January, 24 to June, 24
(Even Sem)

Name of the Teacher- Dr. Animesh Mondal

Semester - III

Course Code - - BSCHBOTMJ302

Course Name - Gymnosperms, Mycology and Plant Pathology-II

Course Code - - BSCHBOTMJ301

- A comparative account of the life histories and their morpho-anatomical feature of the extant members - Cycas, Pinus, Ginkgo and Gnetum. Their distribution in India; Ecological and economic importance.

Expected Time	Syllabus Covered	Teaching Method
20 th Aug – 5 th Sept.	Gymnosperms, Mycology and Plant Pathology-II A comparative account of the life histories and their morpho-anatomical feature of the extant members – Cycas.	White Board and marker + PPT+ preserved and Living sample demonstration
5 th Sept. – 5 th Oct.	A comparative account of the life histories and their morpho-anatomical feature of the extant members Pinus, Ginkgo and Gnetum.	
21 st Oct. – 30 th Nov.	Their distribution in India; Ecological and economic importance.	

Semester – V

Course Code – BSCHBOTC501

Course Name – Cytology and Genetics

Unit I: Principles of genetics and Biology of Inheritance

- Mendelism: History; Mendel's Laws of inheritance; Chromosome theory of inheritance and linkage; Incomplete dominance and codominance; Interaction of Genes; Multiple alleles, Lethal alleles, Epistasis, Pleiotropy, Recessive and Dominant traits, Penetrance and Expressivity, Mendelian segregation and gene interaction: Numericals; Polygenic inheritance; Mitosis and Meiosis in plants, animal; Cell cycle and cell division. Cell cycle, Role of Cyclins and Cdks, Cell cycle regulation (Checkpoints).

Unit III: Variation in Chromosome Number and Structure, Mutations

- Chromosome morphology and Karyotype concept, Deletion, Duplication, Inversion, Translocation, Position effect; Euploidy, Aneuploidy and Amphiploidy and their implications, FISH and GISH in chromosome and genome identification. Types of mutations; Molecular

basis of Mutations; Induction of mutations and Mutagens – physical and chemical (Base analogs, deaminating, alkylating and intercalating agents); Detection of mutations: CLB method. Role of Transposons in mutation. DNA repair mechanisms.

Semester – V

Course Name: Plant Breeding Course Code: BSCHBOTDSE504

Unit I: General Introduction

Introduction, aims and objectives of plant breeding; Plant introduction, acclimatization and domestication.

Unit II: Methods of crop improvement

Selection methods: For self pollinated, cross pollinated and vegetatively propagated plants; Hybridization: For self, cross and vegetatively propagated plants – Procedure, advantages and limitations.

Unit III: Quantitative inheritance

Concept, mechanism, examples of inheritance of Kernel colour in wheat, Skin colour in human beings. Monogenic vs polygenic Inheritance.

Unit IV: Inbreeding depression, heterosis and Crop Improvement

History, genetic basis of inbreeding depression and heterosis; Applications. Role of mutations (Radiation and CRIPSR technology); Polyploidy; Distant hybridization and role of biotechnology in crop improvement

Practical

1. Calculation of central tendency – mean, mode and median of a data obtained from natural population.
2. Normal distributon curve using a continuous variation (Data May be provided).
3. Chi square test of goodness of fit for Mendelian ratios.
4. Demonstration of Breeder's kit.

Expected Time	Syllabus Covered	Teaching Method
7 th Aug – 5 th Oct.	<p>Course Code – BSCHBOTC501 Course Name – Cytology and Genetics Unit I: Principles of genetics and Biology of Inheritance Mendelism: History; Mendel's Laws of inheritance; Chromosome theory of inheritance and linkage; Incomplete dominance and codominance; Interaction of Genes; Multiple alleles, Lethal alleles, Epistasis, Pleiotropy, Recessive and Dominant traits, Penetrance and Expressivity, Mendelian segregation and gene interaction: Numericals; Polygenic inheritance; Mitosis and Meiosis in plants, animal; Cell cycle and cell division. Cell cycle, Role of Cyclins and Cdks, Cell cycle regulation (Checkpoints). Course Code: BSCHBOTDSE504 Plant Breeding Unit I: General Introduction Introduction, aims and objectives of plant breeding; Plant introduction, acclimatization and domestication. Unit II: Methods of crop improvement Selection methods: For self pollinated, cross pollinated and vegetatively propagated plants</p>	Whiteboard and Marker + PPT +Youtube Videos Some youtube links –
20 th Sept – 30 th Oct	<p>Course Code – BSCHBOTC501 Course Name – Cytology and Genetics Unit III: Variation in Chromosome Number and Structure, Mutations Chromosome morphology and Karyotype concept, Deletion, Duplication, Inversion, Translocation, Position effect; Euploidy, Aneuploidy and Amphiploidy and their implications, FISH and GISH in chromosome and genome identification. Course Code: BSCHBOTDSE504 Plant Breeding Unit II: Methods of crop improvement Hybridization: For self, cross and vegetative propagated plants – Procedure, advantages and limitations. Unit III: Quantitative inheritance Concept, mechanism, examples of inheritance of Kernel colour in wheat, Skin colour in human beings. Monogenic vs polygenic Inheritance.</p>	Whiteboard and Marker + PPT +Youtube Videos Some youtube links

<p>8th Nov. – 30th Nov.</p>	<p>Course Code - BSCHBOTDSE501 Unit III: Variation in Chromosome Number and Structure, Mutations Types of mutations; Molecular basis of Mutations; Induction of mutations and Mutagens – physical and chemical (Base analogs, deaminating, alkylating and intercalating agents); Detection of mutations: CLB method. Role of Transposons in mutation. DNA repair mechanisms. Practical – Cytology of <i>Allium</i> root and pollen Course Code: BSCHBOTDSE504 Plant Breeding Unit IV: Inbreeding depression, heterosis and Crop Improvement History, genetic basis of inbreeding depression and heterosis; Applications. Role of mutations (Radiation and CRIPSR technology); Polyploidy; Distant hybridization and role of biotechnology in crop improvement Practical 1. Calculation of central tendency – mean, mode and median of a data obtained from natural population. 2. Normal distributon curve using a continuous variation (Data May be provided). 3. Chi square test of goodness of fit for Mendelian ratios. 4. Demonstration of Breeder’s kit.</p>	<p>Whiteboard and Marker + PPT +Practical +Youtube Videos Some youtube links</p> <p>Practical was done by hands on training, making practical by dummy data, and original collected data</p>
---	--	--

EVEN SEMESTERS –

Semester – 2 (NEP)

NEP

BSCHBOTMJ201 –

Course name - Cryptogamic Botany and Palaeobotany

Unit III: Pteridophytes- Introduction and Classification

- Introduction to Pteridophyta – Concept of Vascular Cryptogams; Land habit; stellar organization and its evolution; General features of Pteridophytes; Apogamy and apospory; Telome theory, Enation Theory. PPG1 (2016) classification of pteridophytes up to Suborder. Geological history and morpho-anatomical and reproductive features of Rhynia, Psilophyton and Zosterophyllum; Lepidodendron (Lepidodendron, Lepidocarpon), Calamites (stem and strobilus-Calamostachys and Palaeostachya).
- Distribution, morphoanatomical and reproductive features of Psilotum, Lycopodium, Selaginella, Equisetum, Pteris and Marsilea.

Expected Time	Syllabus Covered	Teaching Method
1 st March – 30 th March	BSCHBOTMJ201 – Course name - Cryptogamic Botany and Palaeobotany Unit – IV (Paleobotany) Unit IV – Palaeobotany Introduction to Pteridophyta – Concept of Vascular Cryptogams; Land habit; stellar organization and its evolution; General features of Pteridophytes; Apogamy and apospory; Telome theory, Enation Theory. PPG1 (2016) classification of pteridophytes up to Suborder. Geological history and morpho-anatomical and reproductive features of Rhynia, Psilophyton and Zosterophyllum; Lepidodendron (Lepidodendron, Lepidocarpon), Calamites (stem and strobilus-Calamostachys and Palaeostachya)	White Board and marker + PPT
April 2 nd , 3 rd and 4 th week	Distribution, morphoanatomical and reproductive features of Psilotum, Lycopodium, Selaginella, Equisetum, Pteris and Marsilea	White Board and marker + PPT

Semester – 4 (LOCF)

BSCHBOTC - 403

Course name – Agronomy

Unit-I and Unit-IV

Unit I: Principles of crop production –Definition and scope of Agronomy, Classification of Crops on Different basis, General principles of Crop production : Climate, soil and its preparation, seed and seed sowing, post-sowing tillage, water management, nutrition, plant protection measures, harvesting, threshing and storage, Agroforestry system, Agriculture, extension management.

Unit IV: Agricultural management and cultivation of some important crops –Soil and water management, Integrated pest management, Post-harvest technology and value addition, Production economics and farm management; Manures, Fertilizers, Agrochemicals and Weed management, Cultivation and processing of the following crops: Rice, Wheat, Tea and Jute.

Expected Time	Syllabus Covered	Teaching Method
15 th March – 5 th April	Unit I: Principles of crop production –Definition and scope of Agronomy, Classification of Crops on Different basis, General principles of Crop production : Climate, soil and its preparation, seed and seed sowing, post-sowing tillage, water management, nutrition, plant protection measures, harvesting, threshing and storage, Agroforestry system, Agriculture, extension management.	Chalk and Board Method and PPT. Observing Practicals and Field work
6 th April – 30 th May	Unit IV: Agricultural management and cultivation of some important crops –Soil and water management, Integrated pest management, Post-harvest technology and value addition, Production economics and farm management; Manures, Fertilizers, Agrochemicals and Weed management, Cultivation and processing of the following crops: Rice, Wheat, Tea and Jute.	

Semester – VI (LOCF)

Course Code: BSCHBOTC601

Course name - Molecular Biology (Unit-II, Unit-IV),

Unit II: Central dogma and The replication of DNA

Chemistry of DNA synthesis (Kornberg's discovery); General principles – bidirectional, semi conservative and semi discontinuous replication, RNA priming; Various models of DNA replication including rolling circle, θ (theta) mode of replication, replication of linear ds-DNA, replication of the 5' end of linear chromosome; Enzymes involved in DNA replication. DNA proofreading. Key experiments establishing-The Central Dogma (Adaptor hypothesis and discovery of mRNA template), Central Dogma Reverse (RNA viruses etc.),

Unit IV: Processing and modification of RNA and translation

Split genes-concept of introns and exons, removal of introns, spliceosome machinery, splicing pathways, group I and group II intron splicing, alternative splicing eukaryotic mRNA processing(5' cap, 3' polyA tail); Ribozymes; RNA editing and mRNA transport.

Translation: Ribosome structure and assembly, mRNA; Charging of tRNA, aminoacyl tRNA synthetases; Various steps in protein synthesis, proteins involved in initiation, elongation and termination of polypeptides; Fidelity of translation; Inhibitors of protein synthesis; Post-translational modifications of proteins, Protein targeting.

Semester – VI (LOCF)

Course Name: Biostatistics

Course Code: BSCHBOTDSE602

Unit I: Biostatistics

History of the field and connection with population genetics, levels of measurements, types of variables, precision vs accuracy.

Unit II: Data Summarization and Visualization

Types of variables, frequency tabulations (EFD, ERFD, ECD), various types of charts, error bars, scatterplots.

Unit III: Descriptive Statistics

Mean, median, mode, geometric mean - merits & demerits. Measures of dispersion - range, standard deviation, mean deviation, quartile deviation - merits and demerits; Co-efficient of variations.

Unit IV: Correlation, Regression and Statistical inference

Types of correlation, regression, simple regression equation, fitting prediction, similarities and dissimilarities of correlation and regression. Hypothesis testing and P values, Confidence Intervals, Student's t-test, chi square test, ANOVA.

Practical

- 1) Calculation of mean, standard deviation and standard error mean
- 2) Calculation of correlation coefficient and regression values.
- 3) Interpretation of a continuous variation by a binomial curve with a given value of mean and standard deviation.

[All Calculations and practical can be done using MS-excel]

Expected Time	Syllabus Covered	Teaching Method
1 st Feb – 20 th Feb	Course Code: BSCHBOTC601 Course name - Molecular Biology Unit II: Central dogma and The replication of DNA Chemistry of DNA synthesis (Kornberg's discovery); General principles – bidirectional, semi conservative and semi discontinuous replication, RNA priming; Various models of DNA replication including rolling circle, θ (theta) mode of replication, replication of linear ds-DNA, replication of the	Board work and PPT and youtube videos

	5' end of linear chromosome; Enzymes involved in DNA replication. DNA proofreading. Key experiments establishing-The Central Dogma (Adaptor hypothesis and discovery of mRNA template), Central Dogma Reverse (RNA viruses etc.),	
21 st Feb – 15 th March	<p>Course Code: BSCHBOTC601 Course name - Molecular Biology Unit IV: Processing and modification of RNA and translation</p> <p>Split genes-concept of introns and exons, removal of introns, spliceosome machinery, splicing pathways, group I and group II intron splicing, alternative splicing eukaryotic mRNA processing(5' cap, 3' polyA tail); Ribozymes; RNA editing and mRNA transport. Course</p> <p>Name: Biostatistics Course Code: BSCHBOTDSE602 Unit I: Biostatistics History of the field and connection with population genetics, levels of measurements, types of variables, precision vs accuracy.</p>	<p>Board work and PPT and youtube videos</p> <p>Hands on Practicals in Microsoft XL and other freely available statistical software</p>
16 th Mar. – 31 st Mar	<p>Course Code: BSCHBOTC601 Course name - Molecular Biology Unit IV: Processing and modification of RNA and translation</p> <p>Translation: Ribosome structure and assembly, mRNA; Charging of tRNA, aminoacyl tRNA synthetases</p> <p>Name: Biostatistics Course Code: BSCHBOTDSE602 Unit II: Data Summarization and Visualization Types of variables, frequency tabulations (EFD, ERFD, ECD), various types of charts, error bars, scatterplots.</p>	<p>Board work and PPT and youtube videos</p> <p>Hands on Practicals in Microsoft XL and other freely available statistical software</p>
1 st April – 15 th April	<p>Course Code: BSCHBOTC601 Course name - Molecular Biology</p> <p>Various steps in protein synthesis, proteins involved in initiation, elongation and termination of polypeptides; Fidelity of translation; Inhibitors of protein synthesis; Post-translational modifications of proteins, Protein targeting.</p>	Board work and PPT and youtube videos

	<p>Name: Biostatistics Course Code: BSCHBOTDSE602 Unit III: Descriptive Statistics Mean, median, mode, geometric mean - merits & demerits. Measures of dispersion - range, standard deviation, mean deviation, quartile deviation - merits and demerits; Co-efficient of variations.</p>	<p>Hands on Practicals in Microsoft XL and other freely available statistical software</p>
<p>16th April – 1st week of May</p>	<p>Name: Biostatistics Course Code: BSCHBOTDSE602 Unit IV: Correlation, Regression and Statistical inference Types of correlation, regression, simple regression equation, fitting prediction, similarities and dissimilarities of correlation and regression. Hypothesis testing and P values, Confidence Intervals, Student's t-test, chi square test, ANOVA. Practical of the Biostatistics</p>	<p>Board work and PPT and youtube videos</p> <p>Hands on Practicals in Microsoft XL and other freely available statistical software</p>

NB – Practicals are included in all theoretical parts whether mentioned or not mentioned and are completed within the expected time in most of the cases.

BanwarilalBhalotia College

Department of Botany

Curriculum/Teaching Plan July, 23 to December, 23 (Odd Sem) and January, 24 to June, 24 (Even Sem)

Name of the Teacher- Dr.SunritBasuSarbadhikary
1st Semester

Course Name- Plant Groups and Microbial World

Course Code-BSCBOTMJ101/BSCBOTMN101

Assigned Syllabus:

Unit 3

General Bacteriology: Size, shape and arrangement of bacteria; Structures and functions of – Bacterial Capsule, flagella, pili, cell wall (chemical composition and characteristics), plasma membrane, ribosomes, cytoplasmic inclusions, Plasmids and bacterial chromosome; endospore (structure, formation and germination).

Expected Time	Syllabus Cover	Teaching Methods
August 3 rd and 4 th week	General Bacteriology: Size, shape and arrangement of bacteria	Chalk and Board, PPT, PDF supplied in the students whatsapp group.
September 23	Structures and functions of – Bacterial Capsule, flagella, pili	
October 23	Cell wall (chemical composition and characteristics), plasma membrane, ribosomes, cytoplasmic inclusions	
November 23	Plasmids and bacterial chromosome	
December 23	Endospore (structure, formation and germination); syllabus revisions and doubt clearance.	

Course Name- Mushroom technology

Course Code- BSCBOTSE101

Assigned Syllabus:

Unit 1:

Introduction and history. Types of edible mushrooms available in India - *Volvariellavolvacea*, *Pleurotuscitrinopileatus*, *Agaricusbisporus*; Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms.

Unit 2:

Methods of cultivation of edible mushrooms (Oyster, Button and Paddy straw mushrooms). Diseases of Mushroom fungi and methods of remedy. Methods of Mushroom spawn production. Equipments and Tools required for mushroom as well as spawn production.

Unit 3:

Storage and nutrition : Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickels, papads), drying, storage in salt solutions. Nutrition - Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins.

Unit 4:

Food Preparation: Types of foods prepared from mushroom. Research Centres - National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value.

Expected Time	Syllabus Cover	Teaching Methods
August 3rd and 4th week	Introduction and history. Types of edible mushrooms available in India - <i>Volvariellavolvacea</i> , <i>Pleurotuscitrinopileatus</i> , <i>Agaricusbisporus</i>	Chalk and Board, PPT, PDF supplied in the students whatsapp group.
September 23	Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms. Methods of cultivation of edible mushrooms (Oyster, Button and Paddy straw mushrooms).	
October 23	Diseases of Mushroom fungi and methods of remedy. Methods of Mushroom spawn production. Equipments and Tools required for mushroom as well as spawn production. Storage and nutrition : Short-term storage (Refrigeration - upto 24 hours)	
November 23	Long term Storage (canning, pickels, papads), drying, storage in salt solutions. Nutrition - Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins. Food Preparation:	
December 23	Types of foods prepared from mushroom. Research Centres - National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value, Revisions and doubt clear classes	

Course Name- Introduction to local flora

Course Code-MDC118**Assigned Syllabus:**

Different types of ecological interaction among different plant groups. (Root nodules of legumes, Mycorrhiza, Parasitic Angiosperms).

Expected Time	Syllabus Cover	Teaching Methods
August 3rd and 4th week	Different types of ecological interaction among different plant groups.	Chalk and Board, PPT, PDF supplied in the students whatsapp group.
September 23	Root nodules of legumes, Mycorrhiza	
October 23	Parasitic Angiosperms, Revisions and doubt clear classes	
November 23	Internal examinations	
December 23		

2nd Semester**Course Name- Cryptogamic Botany & Palaeobotany****Course Code- BSCBOTMJ201/ BSCBOTMN201****Assigned Syllabus:****Unit 1:**

Criteria for algal classifications; Broad outline of classification of Lee (2008) up to family and its basis. Comparative account and evolutionary relationship of: Cyanophyceae, Chlorophyceae, Charophyceae, Xanthophyceae, Bacillariophyceae, Phaeophyceae, Rhodophyceae. Life histories of *Nostoc*, *Oedogonium*, *Chara*

Expected Time	Syllabus Cover	Teaching Methods
April 2nd, 3rd and 4th week	Criteria for algal classifications; Broad outline of classification of Lee (2008) up to family and its basis.	Chalk and Board, PPT, PDF supplied in the students whatsapp group
May 24	Comparative account and evolutionary relationship of: Cyanophyceae, Chlorophyceae, Charophyceae, Xanthophyceae, Bacillariophyceae, Phaeophyceae, Rhodophyceae.	
June 24	<i>Nostoc</i> , <i>Oedogonium</i> , <i>Chara</i> . Revisions and doubt clear classes	

Course Name- Biofertilizer

Course Code-BSCBOTSE201

Assigned Syllabus:

Unit-1:

- General account about the microbes used as biofertilizer; Isolation, mass production and application of Rhizobia, *Azospirillum* and *Azotobacter* as a biofertilizer; Actinorrhizal symbiosis (Organisms, hosts and general features).

Unit -2:

- General idea about Plant growth promoting rhizobacteria (PGPR) and Phosphate solubilizing bacteria (PSB); PGPR traits; Stress hormone Ethylene and PGPR.

Unit -4:

- Mycorrhizal association, types of mycorrhizal association, taxonomy, occurrence and distribution; VAM fungi, and their influence on growth and yield of crop plants. (6 lectures)

Expected Time	Syllabus Cover	Teaching Methods
April 2nd , 3rd and 4th week	General account about the microbes used as biofertilizer; Isolation, mass production and application of Rhizobia, <i>Azospirillum</i> and <i>Azotobacter</i> as a biofertilizer; Actinorrhizal symbiosis (Organisms, hosts and general features).	Chalk and Board, PPT, PDF supplied in the students whatsapp group
May 24	General idea about Plant growth promoting rhizobacteria (PGPR) and Phosphate solubilizing bacteria (PSB); PGPR traits; Stress hormone Ethylene and PGPR.	
June 24	Mycorrhizal association, types of mycorrhizal association, taxonomy, occurrence and distribution; VAM fungi, and their influence on growth and yield of crop plants, Revisions and doubt clear classes	

Course Name- Herbal Home Remedies

Course Code-MDC217

Assigned Syllabus:

Unit 4

Herbs – *Aloe vera*, *Aloe barbadense*, *Ocimum sanctum* (Tulsi), *Catharanthus roseus* (Nayantara), *Rauwolfia serpentina* (Sarpagandha), *Withania somnifera* (Aswagandha), *Clerodendron phlomoides* (Bamanhati), *Centella asiatica* (Thankoni), *Opium poppy* (Opium/Aphim), *Andrographis paniculata* (Kalmegh)

Expected Time	Syllabus Cover	Teaching Methods
April 2 nd , 3 rd and 4 th week	<i>Aloe vera</i> , <i>Aloe barbadense</i> , <i>Ocimum sanctum</i> (Tulsi), <i>Catharanthus roseus</i> (Nayantara),	Chalk and Board, PPT, PDF supplied in the students whats app group
May 24	<i>Rauwolfia serpentina</i> (Sarpagandha), <i>Withania somnifera</i> (Aswagandha), <i>Clerodendron phlomoides</i> (Bamanhati),	
June 24	<i>Centella asiatica</i> (Thankoni), <i>Opium poppy</i> (Opium/Aphim), <i>Andrographis paniculata</i> (Kalmegh); Revisions and doubt clear classes	

3rd Semester

Course name: Anatomy of Angiosperms

Course Code: BSCHBOTC301

Assigned Syllabus:

Unit 2:

- General account on: Cuticle, Stomata, Hydathodes, Cavities, Laticifers, Kranz anatomy

Unit 3:

- Evolution of concept of organization of shoot apex (Apical cell theory, Histogen theory, Tunica Corpus theory, continuing meristematic residue, cyto-histological zonation)
- Organization of root apex (Apical cell theory, Histogen theory, Korper-Kappe theory); Quiescent centre; Root cap.

Expected Time	Syllabus Cover	Teaching
---------------	----------------	----------

		Methods
September 23	General account on: Cuticle, Stomata, Hydathodes, Cavities, Laticifers, Kranz anatomy	Chalk and Board, PPT, PDF supplied in the students whatsapp group
October 23	Evolution of concept of organization of shoot apex (Apical cell theory, Histogen theory, Tunica Corpus theory, continuing meristematic residue, cyto-histological zonation)	
November 23	Organization of root apex (Apical cell theory, Histogen theory, Korper-Kappe theory); Quiescent centre; Root cap.	
December 23	Revisions and doubt clear classes	

Course name: Biofertilizers

Course Code: BSCHBOTSEC301

Assigned Syllabus:

Unit-1:

General account about the microbes used as biofertilizer, Rhizobium – isolation, identification, mass production, Commercialization; Actinorrhizal symbiosis.

Azospirillum: isolation and mass multiplication – carrier based inoculant, associative effect of different microorganisms. *Azotobacter*: classification, characteristics – crop response to *Azotobacter* inoculum, maintenance and mass multiplication.

Unit -2:

General idea about Plant growth promoting rhizobacteria (PGPR) and Phosphate solubilizing bacteria (PSB) . PGPR traits; Stress hormone Ethylene and PGPR.

Unit -4:

Mycorrhizal association, types of mycorrhizal association, taxonomy, occurrence and distribution; VAM fungi, and their influence on growth and yield of crop plants. (6 lectures)

Expected Time	Syllabus Cover	Teaching Methods
September 23	General account about the microbes used as biofertilizer; Isolation, mass production and application of Rhizobia, <i>Azospirillum</i> and <i>Azotobacter</i> as a biofertilizer; Actinorrhizal symbiosis (Organisms, hosts and general	Chalk and Board, PPT, PDF supplied in the students

	features).	whatsapp group
October 23	General idea about Plant growth promoting rhizobacteria (PGPR) and Phosphate solubilizing bacteria (PSB); PGPR traits; Stress hormone Ethylene and PGPR.	
November 23	Mycorrhizal association, types of mycorrhizal association, taxonomy, occurrence and distribution; VAM fungi, and their influence on growth and yield of crop plants.	
December 23	Revisions and doubt clear classes	

Course name: Plant Morphology, Taxonomy, Anatomy and Ecology

Course Code: BSCHBOTGE301

Assigned Syllabus:

Unit 3

Tissue – Meristematic and Permanent tissue, Their types; Root and shoot apical meristems; Simple and Complex Tissues; Tissue system – General idea of epidermal, vascular and ground tissue systems, Types of vascular bundles. Organs – Primary structure of Stem, Root and Leaf.

Expected Time	Syllabus Cover	Teaching Methods
September 23	Tissue – Meristematic and Permanent tissue, Their types.	Chalk and Board, PPT, PDF supplied in the students whatsapp group
October 23	Root and shoot apical meristems; Simple and Complex Tissues; Tissue system – General idea of epidermal, vascular and ground tissue systems.	
November 23	Types of vascular bundles. Organs – Primary structure of Stem, Root and Leaf.	
December 23	Revisions and doubt clear classes	

Course name: Nursery and Gardening

Course Code: BSCPBOTSEC302

Assigned Syllabus:

Unit 1: Nursery: definition, objectives and scope and building up of infrastructure for nursery, planning and seasonal activities - Planting - direct seeding and transplants.(4 Lectures)

Unit 2: Seed structure and types, Seed dormancy; Causes and Methods of breaking dormancy; Seed storage: Seed banks, factors affecting seed viability; Genetic erosion – Seed production technology, seed testing and certification.

Expected Time	Syllabus Cover	Teaching Methods
September 23	Nursery: definition, objectives and scope and building up of infrastructure for nursery	Chalk and Board, PPT, PDF supplied in the students whatsapp group
October 23	planning and seasonal activities - Planting - direct seeding and transplants	
November 23	Seed structure and types, Seed dormancy; Causes and Methods of breaking dormancy	
December 23	Seed storage: Seed banks, factors affecting seed viability; Genetic erosion – Seed production technology, seed testing and certification. Revisions and doubt clear classes	

4thSemester

Course name: Plant Diversity and Human welfare

Course Code: BSCHBOTSEC401

Assigned Syllabus:

Unit -1:

Plant diversity and its scope- Genetic diversity, Species diversity, Plant diversity at the ecosystem level, Agrobiodiversity and cultivated plant taxa. Values and uses of Biodiversity: Ethical and aesthetic values.

Unit -3:

Management of Plant Biodiversity: Organizations associated with biodiversity management-Methodology for execution-IUCN, UNEP, UNESCO, WWF, NBPGR; Biodiversity legislation and conservation.

Expected Time	Syllabus Cover	Teaching Methods
February 3rd and 4th week	Plant diversity and its scope- Genetic diversity, Species diversity, Plant diversity at the ecosystem level, Agrobiodiversity and cultivated plant taxa.	Chalk and Board, PPT, PDF supplied in the
March 24	Values and uses of Biodiversity: Ethical and aesthetic	

	values.	students whatsapp group.
April 24	Management of Plant Biodiversity: Organizations associated with biodiversity management	
May 24	Methodology for execution-IUCN, UNEP, UNESCO, WWF, NBPGR; Biodiversity legislation and conservation.	
June 24	Revisions and doubt clear classes.	

Course name: Plant Systematics

Course Code: BSCPBOTC401

Assigned Syllabus:

Unit -2:

Botanical Nomenclature and System of Classification • Principles and rules (ICBN); Ranks and names; Typification, author citation, valid publication, rejection of names, principle of priority and its limitations; Names of hybrids. • Outline of the system of classification – Linnaeus (1753) and Bentham and Hooker (1862-83).

Expected Time	Syllabus Cover	Teaching Methods
February 3rd and 4th week	Botanical Nomenclature and System of Classification • Principles and rules (ICBN)	Chalk and Board, PPT, PDF supplied in the students whatsapp group.
March 24	Ranks and names; Typification, author citation, valid publication, rejection of names, principle of priority and its limitations	
April 24	Names of hybrids. • Outline of the system of classification – Linnaeus (1753) and Bentham and Hooker (1862-83)	
May 24	Revisions and doubt clear classes.	
June 24		

5thSemester

Course Name- Anatomy of Angiosperms

Course Code-BSCPBOTC501

Assigned Syllabus:

Unit 2:

- General account on: Cuticle, Stomata, Hydathodes, Cavities, Laticifers, Kranz anatomy

Unit 3:

- Evolution of concept of organization of shoot apex (Apical cell theory, Histogen theory, Tunica Corpus theory, continuing meristematic residue, cyto-histological zonation)
- Organization of root apex (Apical cell theory, Histogen theory, Korper-Kappe theory); Quiescent centre; Root cap.

Expected Time	Syllabus Cover	Teaching Methods
August 2 nd , 3 rd and 4 th week	General account on: Cuticle, Stomata, Hydathodes, Cavities, Laticifers, Kranz anatomy	Chalk and Board, PPT, PDF supplied in the students whatsapp group
September 23	Evolution of concept of organization of shoot apex (Apical cell theory, Histogen theory, Tunica Corpus theory, continuing meristematic residue, cyto-histological zonation)	
October 23	Organization of root apex (Apical cell theory, Histogen theory, Korper-Kappe theory); Quiescent centre; Root cap.	
November 23	Revisions and doubt clear classes	
December 23		

Course Name-Mushroom culture technology

Course Code-BSCPOTSEC502

Assigned Syllabus:

Unit 1:

Introduction and history. Types of edible mushrooms available in India - *Volvariellavolvacea*, *Pleurotuscitrinopileatus*, *Agaricusbisporus*; Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms.

Unit 2:

Methods of cultivation of edible mushrooms (Oyster, Button and Paddy straw mushrooms). Diseases of Mushroom fungi and methods of remedy. Methods of Mushroom spawn production. Equipments and Tools required for mushroom as well as spawn production.

Unit 3:

Storage and nutrition : Short-term storage (Refrigeration - upto 24 hours) Long term Storage (canning, pickels, papads), drying, storage in salt solutions. Nutrition - Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins.

Unit 4:

Food Preparation: Types of foods prepared from mushroom. Research Centres - National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value.

Expected Time	Syllabus Cover	Teaching Methods
August 2 nd , 3 rd and 4 th week	Introduction and history. Types of edible mushrooms available in India - <i>Volvariellavolvacea</i> , <i>Pleurotuscitrinopileatus</i> , <i>Agaricusbisporus</i>	Chalk and Board, PPT, PDF supplied in the students whatsapp group
September 23	Nutritional and medicinal value of edible mushrooms; Poisonous mushrooms. Methods of cultivation of edible mushrooms (Oyster, Button and Paddy straw mushrooms).	
October 23	Diseases of Mushroom fungi and methods of remedy. Methods of Mushroom spawn production. Equipments and Tools required for mushroom as well as spawn production. Storage and nutrition : Short-term storage (Refrigeration - upto 24 hours)	
November 23	Long term Storage (canning, pickels, papads), drying, storage in salt solutions. Nutrition - Proteins - amino acids, mineral elements nutrition - Carbohydrates, Crude fibre content - Vitamins. Food Preparation:	
December 23	Types of foods prepared from mushroom. Research Centres - National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value, Revisions and doubt clear classes	

6thSemester

Course name: Plant Biotechnology and Genetic Engineering

Course Code: BSCHBOTC602

Assigned Syllabus:**Unit 4:**

Transgenic technology and sustainable agriculture, Biosafety concerns with transgenic technology, History of transgenic development across the world, Major concerns with implementation of transgenic technology in India. Applications as Pest resistant (Bt-cotton); herbicide resistant plants (RoundUp Ready soybean); Transgenic crops with improved quality traits in major crops (FlavrSavr tomato, Golden rice); Improved horticultural varieties (Moondust carnations); Role of transgenics in bioremediation (Superbug)

Expected Time	Syllabus Cover	Teaching Methods
February 3rd and 4th week	Transgenic technology and sustainable agriculture, Biosafety concerns with transgenic technology	Chalk and Board, PPT, PDF supplied in the students whatsapp group.
March 24	History of transgenic development across the world, Major concerns with implementation of transgenic technology in India	
April 24	Applications as Pest resistant (Bt-cotton); herbicide resistant plants (RoundUp Ready soybean); Transgenic crops with improved quality traits in major crops (FlavrSavr tomato, Golden rice)	
May 24	Improved horticultural varieties (Moondust carnations); Role of transgenics in bioremediation (Superbug)	
June 24	Revisions and doubt clear classes.	

Course name: Horticultural Post-harvest

Course Code: BSCHBOTDSE604

Assigned Syllabus:**Unit 3:**

- Identification and salient features of some ornamental plants [rose, marigold, tuberose], Ornamental flowering trees (Gulmohar, Lagerstroemia and areca palms).
- Description of plants and their economic products; Management and marketing of vegetable (Potato and Brinjal) and fruit crops (Mango and Banana).
- Cultivation, processing and marketing of products of major medicinal plants (Senna, Ashwagandga, Amla, Vetiver, Aloe vera).

Unit 4:

- Importance and overview of post -harvest handling; Principles and methods of preservation and processing : Methods of minimizing loses during storage and transportation; Harvesting and handling of fruits, cut flowers, vegetables, herbs, storage tissues and organs.

- Food processing: canning, fruit juice beverages, pickles, jam, jellies, candies, Food additives, labeling; Food irradiation and food safety.
- Post-harvest diseases and losses by insects: Types of diseases, Source of infection, Factors affecting disease development, Prevention techniques for post -harvest losses, Storage techniques, Biorational approaches; Value addition.

Expected Time	Syllabus Cover	Teaching Methods
February 3rd and 4th week	Identification and salient features of some ornamental plants [rose, marigold, tuberose], Ornamental flowering trees (Gulmohar, Lagerstroemia and areca palms).Description of plants and their economic products; Management and marketing of vegetable (Potato and Brinjal) and fruit crops (Mango and Banana).	Chalk and Board, PPT, PDF supplied in the students whatsapp group.
March 24	Cultivation, processing and marketing of products of major medicinal plants (Senna, Ashwagandga, Amla, Vetiver, Aloe vera).	
April 24	Importance and overview of post -harvest handling; Principles and methods of preservation and processing : Methods of minimizing loses during storage and transportation; Harvesting and handling of fruits, cut flowers, vegetables, herbs, storage tissues and organs.	
May 24	Food processing: canning, fruit juice beverages, pickles, jam, jellies, candies, Food additives, labeling; Food irradiation and food safety.	
June 24	Post-harvest diseases and losses by insects: Types of diseases, Source of infection, Factors affecting disease development, Prevention techniques for post -harvest losses, Storage techniques, Biorational approaches; Value addition.	

Banwarilal Bhalotia College, Asansol
 Department of Computer Science
 Curriculum Teaching Plan for **Odd Semesters** of the Academic Year 2023-2024
 Name of the Teacher/Course Instructor: Sutapa Majee



5th Semester

Course Name: **Internet Technologies**

Course Code: **BSCHCOSC501**

Assigned Syllabus: All units (Full paper)

Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
1 st and 2 nd Week of September,2023	Introduction of Internet technology, Intranet, Extranet, Domain, Sub domain, DNS, Telnet, Protocols	Chalk & Board /pdf files
3 rd and 4 th Week of September,2023	IP datagram, IP subnetting, IP tables, NAT, Routing Protocols	Chalk & Board /pdf files
1 st Week of October,2023	HTML	Chalk & Board /pdf files
4 th Week of October,2023	PERL	Chalk & Board /pdf files
1 st and 2 nd Week of November,2023	Client-Server Programming in Java, Internet Telephony	Chalk & Board /pdf files
3 rd and 4 th Week of November,2023	Practice Classes	Assignment Based interactive practice sessions
1 st and 2 nd Week of December,2023	Internal Examination	via Digital Platform (Online Mode)
3 rd Week of December,2023	External Practical Examination	Via offline mode
4 th Week of December,2023	Practice Classes	Assignment Based interactive practice sessions
1 st Week of January,2023	External Practical exam	via Offline Mode
2 nd and 3 rd Week of January,2023	Final Exam Covering the whole Unit Syllabus	Via offline mode

5th Semester

Course Name: **Computer Ethics**
 Course Code: **BSCHCOSDSEC503**
 Assigned Syllabus: All units (Full paper)
 Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
1 st and 2 nd Week of September,2023	Computer Ethics definition, need, Training and Historical milestones, The field of Computer Ethics, Computer Ethics code, Computer Crime, Computer Security, Software Theft, Intellectual Property	Chalk & Board /pdf files
3 rd and 4 th Week of September,2023	Computer Hacking, Creation of viruses, Computer and information system failure, Invasion of privacy, Social implications of AI & Expert System	Chalk & Board /pdf files
1 st Week of October,2023	The information technology salesman issues, Transparency and virtual ethics, Free Speech, Democracy, Information Access	Chalk & Board /pdf files
4 th Week of October,2023	Developing the ethical analysis skills and professional values, Privacy, Accountability	Chalk & Board /pdf files
1 st and 2 nd Week of November,2023	Government surveillance, Boundaries of Trust, Trust management, Wikipedia, Virtual Trust	Chalk & Board /pdf files
3 rd and 4 th Week of November,2023	Plagiarism in Online Environment, Intellectual Property, Net neutrality	Chalk & Board /pdf files
1 st and 2 nd Week of December,2023	Practice Classes	Assignment Based interactive practice sessions
3 rd Week of December,2023	Internal Test Exam	Assignment via Online Mode
4 th Week of December,2023	Practice Classes	Assignment Based interactive practice sessions
1 st Week of January,2023	Practice Classes	Chalk & Board /pdf files
2 nd and 3 rd Week of January,2023	Assignment Based Exam Covering the whole Unit Syllabus	Assignment via Digital Platform (Online Mode)

3rd Semester

Course Name: **Operating System**

Course Code: **BSCHCOSC301**

Assigned Syllabus: All units (Full paper)

Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
1 st and 2 nd Week of September,2023	Introduction to OS, Different types of OS	Chalk & Board /pdf files
3 rd and 4 th Week of September,2023	OS Organization	Chalk & Board /pdf files
1 st Week of October,2023	Process Characterization Process Management, IPC, Synchronization	Chalk & Board /pdf files
4 th Week of October,2023	Memory Management	Chalk & Board /pdf files
1 st and 2 nd Week of November,2023	File and I/O Management, Disk Scheduling, OS Security	Chalk & Board /pdf files
3 rd and 4 th Week of November,2023	Android OS, Shell Scripts	Chalk & Board /pdf files
1 st and 2 nd Week of December,2023	Practice Classes	Assignment Based interactive practice sessions
3 rd Week of December,2023	Assignment Based Exam Covering the whole Unit Syllabus	Assignment via Digital Platform (Online Mode)
4 th Week of December,2023	Practice Classes	Assignment Based interactive practice sessions
1 st Week of January,2024	External Practical exam	via Offline Mode
2 nd and 3 rd Week of January,2024	Final Exam Covering the whole Unit Syllabus	Via offline mode

3rd Semester

Course Name: **Programming in Java**

Course Code: **BSCHCOSSE301**

Assigned Syllabus: All units (Full paper)

Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
1 st and 2 nd Week of September,2023	Introduction to Java, Java essentials, Data types, Variables, Control Statements	Chalk & Board /pdf files

3 rd and 4 th Week of September,2023	Execution and Compilation, Standard Input Output	Chalk & Board /pdf files
1 st Week of October,2023	Constructors, Destructors, Object Oriented Concepts	Chalk & Board /pdf files
4 th Week of October,2023	Encapsulation, Abstraction, Inheritance, Polymorphism	Chalk & Board /pdf files
1 st and 2 nd Week of November,2023	Java Packages	Chalk & Board /pdf files
3 rd and 4 th Week of November,2023	Practice Classes	Chalk & Board /pdf files
1 st and 2 nd Week of December,2023	Practice Classes	Chalk & Board /pdf files
3 rd Week of December,2023	Assignment Based Exam Covering the Syllabus	via Offline Mode
4 th Week of December,2023	Practice Classes	Assignment Based interactive practice sessions
1 st Week of January,2024	Assignment Based Exam Covering the whole Unit Syllabus	via Offline Mode
2 nd and 3 rd Week of January,2024	Practice Classes	Assignment Based interactive practice sessions
4 th Week of January,2024	External Practical exam	via Offline Mode

1st Semester

Course Name: Introduction to Programming using C

Course Code: BSCHCOSC101

Assigned Syllabus: Full paper

Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
1 st and 2 nd Week of September,2023	Introduction top Computers, Generation of Computers, Computer Hierarchy, Different components of computer Introduction to Operating Environment	Chalk & Board /pdf files
3 rd and 4 th Week of September,2023	Number System, Introduction to Programming	Chalk & Board /pdf files
1 st Week of October,2023	Algorithms, Notations, Flowcharts	Chalk & Board /pdf files
4 th Week of October,2023	Introduction to C Programming	Chalk & Board /pdf files
1 st and 2 nd Week of November,2023	Top Down Design, Operators	Chalk & Board /pdf files
3 rd and 4 th Week of	Function, Recursion	Chalk & Board /pdf files

November,2023		
1 st and 2 nd Week of December,2023	Introduction to Arrays	Chalk & Board /pdf files
3 rd Week of December,2023	Pointers	Chalk & Board /pdf files
4 th Week of December,2023	Pointers	Chalk & Board /pdf files
1 st Week of January,2024	Structures	Chalk & Board /pdf files
2 nd and 3 rd Week of January,2024	Strings	Chalk & Board /pdf files
4 th Week of January,2024	File Handling	Chalk & Board /pdf files
1 st and 2 nd Week of February,2024	Practice classes	Chalk & Board /pdf files
3 rd Week of February,2024	Internal Practical Exam	Assignment via Offline Mode
4 th Week of February,2024	External Practical Exam	Assignment via Offline Mode
1 st and 2 nd Week of March,2024	Final Exam Covering the whole Unit Syllabus	Final Examination via Online mode

Banwarilal Bhalotia College, Asansol
Department of Computer Science

Curriculum Teaching Plan for **Even Semesters** of the Academic Year 2023-2024

Name of the Teacher/Course Instructor: Sutapa Majee

6th Semester

Course Name: Data Mining

Course Code: BSCHCSDSE603

Assigned Syllabus: Full paper

Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
2 nd Week of Feb,2024	Introduction to Data Mining, Definition, Functionalities, Classification, Issues in DM, KDD Process	Chalk & Board /pdf files
3 rd and 4 th Week of Feb,2024	Data Pre-processing	Chalk & Board /pdf files
1 st and 2 nd Week of March,2024	Association, Co-relation, CUR Decomposition, Generalization, Transformation, Data Integration	Chalk & Board /pdf files
3 rd and 4 th Week of March,2024	Classification and Prediction	Chalk & Board /pdf files
1 st and 2 nd Week of April,2024	Cluster analysis	Chalk & Board /pdf files
3 rd and 4 th Week of April,2024	Web mining and other data mining	Chalk & Board /pdf files
1 st and 2 nd Week of May,2024	ROC Analysis, Big data	Chalk & Board /pdf files
3 rd Week of May,2024	Data mining trends	Chalk & Board /pdf files

4 th Week of May,2024	Internal Practical Exam	Assignment via Offline Mode
1 st and 2 nd Week of June,2024	Practice Classes	practice sessions
3 rd and 4 th Week of June,2024	Assignment Based Exam Covering the whole Unit Syllabus	Final Examination via Offline mode

6th Semester

Course Name: Cloud Computing
Course Code: BSCHCOSDSE604
Assigned Syllabus: Full paper
Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
2 nd Week of Feb,2024	Introduction to cloud computing, Definition, Characteristics, Components, Cloud Deployment Models, Cloud Computing Platforms	Chalk & Board /pdf files
1 st and 2 nd Week of Feb,2024	Virtualization, Hypervisors, KVM	Chalk & Board /pdf files
3 rd and 4 th Week of Feb,2024	Data in Cloud Computing, Relational Databases, MapReduce	Chalk & Board /pdf files
1 st and 2 nd Week of March,2024	Cloud Security, VM Security	Chalk & Board /pdf files
3 rd and 4 th Week of March,2024	Issues in Cloud Computing	Chalk & Board /pdf files
1 st and 2 nd Week of April,2024	QoS, Sky Computing	Chalk & Board /pdf files
3 rd and 4 th Week of April,2024	Data Migration, Streaming in Cloud	Chalk & Board /pdf files
1 st and 2 nd Week of May,2024	Parallel Computing, BigTable	Chalk & Board /pdf files
3 rd Week of May,2024	Inter Cloud Issues	Chalk & Board /pdf files
4 th Week of May,2024	Internal Practical Exam	Assignment via Offline Mode
1 st Week of June,2024	Practice Classes	practice sessions
2 nd and 3 rd Week of June,2024	Assignment Based Exam Covering the whole Unit Syllabus	Final Examination via Offline mode

4th Semester

Course Name: Database Management System
Course Code: BSCHCOSC402

Assigned Syllabus: Full paper
Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
3 rd and 4 th Week of Feb,2024	Basic Database Concepts. ER Diagram, Relational Model	Chalk & Board/pdf files
1 st and 2 nd Week of March,2024	SQL	
3 rd and 4 th Week of March,2024	Relational Algebra	Chalk & Board/pdf files
1 st and 2 nd Week of April,2024	Indexing, B tree, B+ Tree	Chalk & Board/pdf files
3 rd and 4 th Week of April,2024	Database Programming	Chalk & Board/pdf files
1 st and 2 nd Week of May,2024	Big Data, OLAP, MapReduce, Hadoop	Chalk & Board/pdf files
3 rd and 4 th Week of May,2024	Practice classes	Practice Sessions
1 st Week of June,2024	Internal Practical Exam	Via Offline Mode
2 nd and 3 rd Week of June,2024	External Practical Exam	Via Offline Mode
4 th Week of June,2024	Practice classes	Practice Sessions
3 rd Week of July,2024	Assignment Based Exam Covering the whole Unit Syllabus	Final Examination via Offline mode.

2^d Semester

Course Name: **Data Structures and Algorithms**

Course Code: **BSCHCOSMN201**

Assigned Syllabus: Full paper

Assigned Classes: 3 Classes per Week

Expected Time Span	Topics	Teaching Method
2 nd Week of April,2024	Basic Concepts of Data Structures	Chalk & Board /pdf files
3 rd and 4 th Week of April,2024	Linked List	Chalk & Board /pdf files
1 st and 2 nd Week of May,2024	Stack	Chalk & Board /pdf files
3 rd and 4 th Week of May,2024	Queue	Chalk & Board /pdf files
1 st and 2 nd Week of June,2024	Dequeue, Priority Queue	Chalk & Board /pdf files
3 rd and 4 th Week of	Searching Methods	Chalk & Board /pdf files

June,2024		
1 st and 2 nd Week of July,2024	Sorting Methods	Chalk & Board /pdf files
3 rd and 4 th Week of July,2024	Trees	Chalk & Board /pdf files
1 st and 2 nd Week of August,2024	Heap	Chalk & Board /pdf files
3 rd and 4 th Week of August,2024	Graphs	Chalk & Board /pdf files
1 st Week of September,2024	Practice Classes	Assignment Based interactive practice sessions
2 nd Week of September,2024	External Practical Exam	Via Offline mode
3 rd and 4 th Week of September,2024	Practice Classes	practice sessions
1 st and 2 nd Week of September,2024	Final Exam Covering the whole Unit Syllabus	Via Offline mode

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF COMPUTER SCIENCE

Curriculum/Teaching Plan For Odd Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

5TH Semester

Course Name: Artificial Intelligence

Course Code: BSCHCOSC502

Assigned Syllabus: All Units

Assigned Classes: 2 classes

Expected Time Span	Topics Covered (Theory)	Teaching Method	Practical Sessions (LISP)
2nd Week of Aug 2023	Unit I: Introduction to AI - Definition of AI; Turing Test; Brief History of AI	Chalk & Board/ppt	No practical session yet
3rd & 4th Week of Aug 2023	Unit I: Problem Solving and Search - Problem Formulation; Search Space; States vs. Nodes; Tree Search: Breadth-First, Uniform Cost, Depth-First, Depth-Limited, Iterative Deepening; Graph Search	Chalk & Board/ppt/Practical	No practical session yet
1st Week of Sept 2023	Unit II: Informed Search - Greedy Search; A* Search; Heuristic Function; Admissibility and Consistency; Deriving Heuristics via Problem Relaxation	Chalk & Board/ppt	No practical session yet
2nd & 3rd Week of Sept 2023	Unit II: Local Search - Hill-Climbing; Simulated Annealing; Genetic Algorithms; Local Search in Continuous Spaces + Unit III: Playing Games - Minimax Algorithm; Alpha-Beta Pruning	Chalk & Board/ppt/Practical	No practical session yet
4th Week of Sept 2023	Class Test on Unit I and Unit II + Unit III: Games with Element of Chance + Beyond Classical Search - Partial Observations; Unknown Environments	Chalk & Board/Quiz via Google Form	Practical Start: LISP Introduction - Atoms, lists, S-expressions, functions, lambdas, predicates
1st Week of Oct 2023	Unit IV: Knowledge Representation and Reasoning - Ontologies; Reasoning about Objects, Relations, Time, Space; Predicate Logic, Description Logics	Chalk & Board/ppt	Practical: Introduction to Symbolic Computation - Basics of LISP (conditionals, recursion, iteration)
2nd Week of Oct 2023	Unit IV: Reasoning with Defaults; Reasoning about Knowledge; Sample Applications	Chalk & Board/ppt/Practical	Practical: Search in LISP - Implementing general problem solver and blocks-world planning (Sussman Anomaly)

3rd Week of Oct 2023	Unit V: Representing and Reasoning with Uncertain Knowledge - Probability, Bayes Rule, Bayesian Networks + Class Test on Unit III and Unit IV	Chalk & Board/Quiz via Google Form	Practical: Pattern Matching - ELIZA: Rule-based translation and dialog system
4th Week of Oct & 1st Week of Nov 2023	Unit VI: Planning - The STRIPS Language; Forward Planning; Backward Planning; Planning Heuristics; Partial-Order Planning	Chalk & Board/ppt	Practical: Search Tools in LISP - Heuristic search, best-first search, beam search, hill-climbing algorithms
2nd Week of Nov 2023	Unit VI: Planning using Propositional Logic; Planning vs. Scheduling	Chalk & Board/ppt	Practical: Advanced LISP - Lexical scoping, closures, garbage collection, avoiding unnecessary consing
3rd Week of Nov 2023	Unit VII: CSPs - Basic Definitions; Backtracking Search; Forward Checking; Constraint Propagation	Chalk & Board/ppt/Practical	Practical: Advanced LISP (Continued) - Implementing complex LISP problems using macros and caching
4th Week of Nov & 1st Week of Dec 2023	Class Test on Unit V and Unit VI + Unit VII: Solving CSPs using LISP	Chalk & Board/Quiz via Google Form	Practical: LISP Project - Apply LISP tools to a symbolic computation project using advanced search and reasoning mechanisms



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

5TH Semester

Course Name: System Security

Course Code: BSCHCOSC502

Assigned Syllabus: Units I, V, VI

Assigned Classes: 1 class

Expected Time Span	Topics Covered (Theory)	Teaching Method
2nd Week of Aug 2023	Unit I: Introduction to Cryptographic Tools - Confidentiality with Symmetric Encryption (AES, DES, RC5, IDEA)	Chalk & Board/ppt
3rd Week of Aug 2023	Unit I: Asymmetric Encryption - RSA, DSA, Message Authentication and Hash Functions	Chalk & Board/ppt
4th Week of Aug 2023	Unit I: Public-Key Encryption, Digital Signatures, and Key Management	Chalk & Board/ppt
1st Week of Sept 2023	Unit I: Random and Pseudorandom Numbers, Practical Application: Encryption of Stored Data	Chalk & Board/ppt
2nd Week of Sept 2023	Class Test on Unit I + Revision	Quiz via Google Form/Chalk & Board
3rd Week of Sept 2023	Unit V: Malicious Software - Types of Malware, Propagation: Infected Content (Viruses), Vulnerability Exploit (Worms), Social Engineering (SPAM, Trojans)	Chalk & Board/ppt
4th Week of Sept 2023	Unit V: Payload - System Corruption, Attack Agents (Zombies, Bots), Information Theft (Keyloggers, Phishing, Spyware)	Chalk & Board/ppt
1st Week of Oct 2023	Unit V: Stealthing Techniques (Backdoors, Rootkits), Countermeasures	Chalk & Board/ppt
2nd Week of Oct 2023	Class Test on Unit V + Revision	Quiz via Google Form/Chalk & Board
3rd & 4th Week of Oct 2023	Unit VI: Denial-of-Service Attacks - Types of DoS Attacks (Flooding, Distributed Denial-of-Service), Application-Based Bandwidth Attacks	Chalk & Board/ppt
1st Week of Nov 2023	Unit VI: Reflector and Amplifier Attacks, Defenses Against DoS Attacks	Chalk & Board/ppt
2nd Week of Nov 2023	Unit VI: Responding to Denial-of-Service Attacks	Chalk & Board/ppt

3rd Week of Nov 2023	Class Test on Unit VI + Full Revision (Unit I, V, VI)	Quiz via Google Form/Chalk & Board
4th Week of Nov 2023 & 1st Week of Dec 2023	Final Revision and Remedial Classes	Discussion/Interactive Session



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

3rd Semester

Course Name: Analysis of Algorithms

Course Code: BSCHCOSC302

Assigned Syllabus: All Units

Assigned Classes: 1 class

Expected Time Span	Topics Covered (Theory)	Teaching Method
2nd & 3rd Week of Sept 2023	Unit I: Introduction to Algorithm Design - Basic Design and Analysis Techniques of Algorithms, Correctness of Algorithms, Growth of Functions: Asymptotic Notation (Big-O, Theta, Omega)	Chalk & Board/ppt
4th Week of Sept & 1st Week of Oct 2023	Unit I: Algorithm Design Techniques - Iterative Techniques, Divide and Conquer, Dynamic Programming, Greedy Algorithms	Chalk & Board/ppt

2nd Week of Oct 2023	Unit II: Greedy Algorithms - Characteristics, Features, Huffman Code, Dijkstra's Algorithm, Knapsack Problem (0/1 and fractional)	Chalk & Board/ppt
3rd & 4th Week of Oct 2023	Unit III: Sorting Techniques - Elementary Sorting (Bubble Sort, Insertion Sort, Merge Sort), Advanced Sorting (Heap Sort, Quick Sort, Bucket Sort, Radix Sort, Count Sort), Complexity Analysis	Chalk & Board/ppt
1st Week of Nov 2023	Unit III: Searching Techniques - Medians & Order Statistics	Chalk & Board/ppt
2nd & 3rd Week of Nov 2023	Unit IV: Graph Algorithms - BFS, DFS and Applications, Spanning Trees, Minimum Spanning Trees (Kruskal's and Prim's Algorithms), String Processing (KMP Technique)	Chalk & Board/ppt/Practical
4th Week of Nov & 1st Week of Dec 2023	Unit V: Lower Bounding Techniques - Decision Trees, Balanced Trees (AVL, B Trees, Red-Black Trees)	Chalk & Board/ppt
2nd & 3rd Week of Dec 2023	Unit VI: Advanced Analysis Techniques - Randomized Algorithms, Distributed Algorithms, Heuristics	Chalk & Board/ppt
4th Week of Dec 2023	Class Test on Unit III to Unit VI + Final Revision	Quiz via Google Form/Chalk & Board



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

3rd Semester

Course Name: Computer Networks

Course Code: BSCHCOSC303

Assigned Syllabus: All Units (Theory and Practical)
Assigned Classes: 2 classes

Theory Schedule:

Expected Time Span	Topics Covered (Theory)	Teaching Method
2nd & 3rd Week of Sept 2023	Unit I: Introduction to Computer Networks - Network Definition, Network Topologies, Network Classifications, Network Protocol, Layered Network Architecture (OSI and TCP/IP models), Hub, Switch (Managed and Unmanaged), Routers	Chalk & Board/ppt
4th Week of Sept & 1st Week of Oct 2023	Unit IV: Data Link Layer Functions and Protocols - Error Detection & Correction Techniques, Data-Link Control (Framing, Flow Control), Error Recovery Protocols (Stop and Wait ARQ, Go-Back-N ARQ), Point to Point Protocol on Internet	Chalk & Board/ppt
2nd Week of Oct 2023	Class Test on Unit I and Unit IV + Revision	Quiz via Google Form/Chalk & Board
3rd & 4th Week of Oct 2023	Unit VI: Transport Layer and Application Layer - Transport Services (Error and Flow Control), Connection Establishment (Three-Way Handshake), Overview of DNS, WWW, HTTP	Chalk & Board/ppt
1st & 2nd Week of Nov 2023	Unit VII: Security - Firewalls, Basics of Cryptography, Message Security, Digital Signatures	Chalk & Board/ppt
3rd Week of Nov 2023	Class Test on Unit VI and Unit VII + Revision	Quiz via Google Form/Chalk & Board
4th Week of Nov & 1st Week of Dec 2023	Final Revision of the entire syllabus and Remedial Classes	Discussion/Interactive Session

Practical Schedule:

Expected Time Span	Practical Topics	Teaching Method

2nd Week of Oct 2023	Unit I: Network Devices - Identifying network devices like hubs, switches, routers; Using ping, tracert, ipconfig, route, and arp utilities	Lab Setup/Practical
3rd Week of Oct 2023	Unit I: Configuring LAN, Static Routing, IP Routing using RIP	Lab Setup/Practical
4th Week of Oct 2023	Unit II: Implementing CRC (Cyclic Redundancy Check) Error Detection Algorithm	Lab Setup/Practical
1st Week of Nov 2023	Unit II: Implementing Hamming Code Error Detection & Correction Algorithm	Lab Setup/Practical
2nd Week of Nov 2023	Unit II: Simulating Stop and Wait Protocol for Noisy Channel	Lab Setup/Practical
3rd Week of Nov 2023	Unit II: Simulating Go-Back-N and Selective Repeat Sliding Window Protocol	Lab Setup/Practical
4th Week of Nov 2023	Unit II: Implementing Minimum Spanning Tree (Prim's, Kruskal's) for Ethernet	Lab Setup/Practical
1st Week of Dec 2023	Unit II: Simulating Routing Algorithms (RIP, Distance-Vector, Dijkstra's, Bellman-Ford, Floyd-Warshall)	Lab Setup/Practical
2nd Week of Dec 2023	Unit II: Socket Programming - Implementing communication between client and server	Lab Setup/Practical



**Name Of The Teacher/Course Instructor: Mr. Arpan Tewary
1st Semester**

Course Name: Introduction to Programming using C

Course Code: BSCCOSMJ101

Assigned Syllabus: Units I, II, IV, VIII

Assigned Classes: 4 classes

Expected Time Span	Topics Covered (Theory)	Teaching Method	Practical Topics
2nd Week of Aug 2023	Unit I: Introduction to Computers - Evolution, Generations, Components (CPU, ALU, Memory Types)	Chalk & Board/ppt	Unit I Practical: Familiarization with C Programming Environment, Simple Input and Output Programs
3rd Week of Aug 2023	Unit I: Number Systems - Binary, Hexadecimal, Octal, BCD System, Introduction to Operating Environment	Chalk & Board/ppt	Unit II Practical: Programs using Conditional Statements (If, Else, Switch)
4th Week of Aug 2023	Unit II: Introduction to Programming - Program Concept, Characteristics of Programming, Stages in Program Development	Chalk & Board/ppt	Unit II Practical: Programs using Looping Constructs (For, While, Do-While)
1st Week of Sept 2023	Unit II: Algorithms and Flowcharts, Types of Programming Methodologies, Introduction to C Programming - Basic Program Structure, Variables, Input and Output	Chalk & Board/ppt	Unit II Practical: Continue Programs using Looping Constructs
2nd Week of Sept 2023	Unit II: Selection and Repetition Statements (If, Else, For, While, Do-While)	Chalk & Board/ppt	Unit IV Practical: Array Programs (1D and 2D Arrays), Array Operations (Searching, Sorting)
3rd & 4th Week of Sept 2023	Unit IV: Introduction to Arrays - Declaration, Referring Arrays, Initializing Arrays, Arrays in Functions	Chalk & Board/ppt	Unit IV Practical: Continue Array Programs (1D and 2D Arrays)
1st & 2nd Week of Oct 2023	Unit IV: Multi-Dimensional Arrays, Searching in Arrays	Chalk & Board/ppt	Unit IV Practical: Programs with Functions and Arrays
3rd Week of Oct 2023	Class Test on Unit I, Unit II + Revision	Quiz via Google Form/Chalk & Board	

4th Week of Oct & 1st Week of Nov 2023	Unit VIII: File Handling - Introduction to File Handling, File Opening Modes, Reading and Writing Files	Chalk & Board/ppt	Unit VIII Practical: File Handling Programs (Reading from and Writing to Files)
2nd & 3rd Week of Nov 2023	Unit VIII: File Operations - Merging and Copying Files	Chalk & Board/ppt	Unit VIII Practical: Programs for Merging and Copying Files
4th Week of Nov 2023	Class Test on Unit IV and Unit VIII + Revision	Quiz via Google Form/Chalk & Board	
1st & 2nd Week of Dec 2023	Full Revision of Units I, II, IV, VIII and Remedial Classes	Discussion/Interactive Session	
3rd Week of Dec 2023 to 1st Week of Feb 2024	Final Exam Preparation and Doubt Clearing	Chalk & Board/Discussion	



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary
1st Semester

Course Name: Introduction to Programming using C

Course Code: BSCCOSMN101

Assigned Syllabus: Units I, II, IV, VI, VIII

Assigned Classes: 3 classes

Expected Time Span	Topics Covered (Theory)	Teaching Method	Practical Topics
--------------------	-------------------------	-----------------	------------------

2nd Week of Aug 2023	Unit I: Introduction to Computers - Evolution, Generations, Components (CPU, ALU, Memory Types)	Chalk & Board/ppt	Unit I Practical: Familiarization with C Programming Environment, Basic Input and Output Programs
3rd Week of Aug 2023	Unit I: Number Systems - Binary, Hexadecimal, Octal, BCD System, Introduction to Operating Environment	Chalk & Board/ppt	Unit II Practical: Programs using Conditional Statements (If, Else, Switch)
4th Week of Aug 2023	Unit II: Introduction to Programming - Program Concept, Characteristics of Programming, Stages in Program Development	Chalk & Board/ppt	Unit II Practical: Programs using Looping Constructs (For, While, Do-While)
1st Week of Sept 2023	Unit II: Algorithms, Notations, Flowcharts, Types of Programming Methodologies, Introduction to C Programming - Basic Program Structure, Variables, Input and Output	Chalk & Board/ppt	Unit II Practical: Continue Programs using Looping Constructs
2nd Week of Sept 2023	Unit II: Selection and Repetition Statements (If, Else, For, While, Do-While)	Chalk & Board/ppt	Unit IV Practical: Array Programs (1D and 2D Arrays), Array Operations (Searching, Sorting)
3rd & 4th Week of Sept 2023	Unit IV: Introduction to Arrays - Declaration, Referring Arrays, Initializing Arrays, Arrays in Functions	Chalk & Board/ppt	Unit IV Practical: Continue Array Programs (1D and 2D Arrays)
1st & 2nd Week of Oct 2023	Unit IV: Multi-Dimensional Arrays, Searching in Arrays	Chalk & Board/ppt	Unit VI Practical: Structure Programs (Defining and Accessing Structures, Pointers to Structures)
3rd Week of Oct 2023	Class Test on Unit I, Unit II + Revision	Quiz via Google Form/Chalk & Board	

4th Week of Oct & 1st Week of Nov 2023	Unit VI: Structures - Member Accessing, Pointers to Structures, Structures and Functions	Chalk & Board/ppt	Unit VI Practical: Structures with Functions, Arrays of Structures
2nd & 3rd Week of Nov 2023	Unit VIII: File Handling - Introduction to File Handling, File Opening Modes, Reading and Writing Files	Chalk & Board/ppt	Unit VIII Practical: File Handling Programs (Reading from and Writing to Files)
4th Week of Nov 2023	Unit VIII: File Operations - Merging and Copying Files	Chalk & Board/ppt	Unit VIII Practical: Programs for Merging and Copying Files
1st & 2nd Week of Dec 2023	Class Test on Unit IV and Unit VIII + Revision	Quiz via Google Form/Chalk & Board	-
3rd Week of Dec 2023 to 1st Week of Feb 2024	Full Revision of Units I, II, IV, VI, VIII and Remedial Classes	Discussion/Interactive Session	-



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

1st Semester

Course Name: Office Automation Software Lab

Course Code: BSCCOSSE101

Assigned Syllabus: Units II, III, VI, VII

Assigned Classes: 1 class

Expected Time Span	Topics Covered (Theory)	Teaching Method
--------------------	-------------------------	-----------------

2nd Week of Aug 2023	Unit II: MS Word and Google Docs - Overview, Creating, Saving, Opening, Importing, Exporting, and Inserting Files, Formatting Pages, Paragraphs and Sections	Chalk & Board/Demo
3rd Week of Aug 2023	Unit II: Indents, Outdents, Creating Lists and Numbering, Headings, Styles, Fonts and Font Size, Editing, Positioning, Viewing Texts, Searching and Replacing Text	Chalk & Board/Demo
4th Week of Aug 2023	Unit II: Inserting Page Breaks, Page Numbers, Bookmarks, Symbols, Dates, Using Tabs and Tables, Header, Footer, and Printing	Chalk & Board/Demo
1st & 2nd Week of Sept 2023	Unit III: MS Excel and Google Sheets - Worksheet Overview, Entering Information, Worksheet Creation, Opening and Saving Workbook, Formatting Numbers and Texts, Protecting Cells, Producing Charts, and Printing Operations	Chalk & Board/Demo
3rd Week of Sept 2023	Unit III: Application of Excel for Obtaining Statistical Parameters - Mean, Median, Mode, Average, Correlation, Regression, Data Capturing Using Google Forms	Chalk & Board/Demo
4th Week of Sept 2023	Unit VI: Web Browsing and Internet Applications - Navigating Web Browsers and Utilizing Essential Features	Chalk & Board/Demo
1st Week of Oct 2023	Unit VI: Understanding Internet Protocols and Security Considerations, Exploring Common Internet Applications (Email Clients, Cloud Storage, Online Collaboration Tools)	Chalk & Board/Demo
2nd & 3rd Week of Oct 2023	Unit VII: File Compression and Archiving Software - Introduction to File Compression Formats (ZIP, RAR), Compressing and Decompressing Files and Folders	Chalk & Board/Demo
4th Week of Oct 2023	Unit VII: Managing Archived Files and Folders	Chalk & Board/Demo
1st Week of Nov 2023	Class Test on Units II, III, VI, and VII + Revision	Quiz via Google Form/Chalk & Board
2nd Week of Nov 2023	Full Revision of Units II, III, VI, and VII	Discussion/Interactive Session

3rd Week of Nov 2023	Project Work - Students present projects or topics related to MS Office applications and their automation features	Discussion/Presentation
4th Week of Nov 2023	Feedback and Discussion Sessions - Review of projects, feedback on performance, discussions on office automation trends	Interactive Session
1st Week of Dec 2023	Final Revision for all Units	Discussion/Interactive Session
2nd Week of Dec 2023	Final Exam Preparation - Review key concepts and prepare for final assessments	Discussion/Interactive Session
3rd Week of Dec 2023	Final Exam - Assess knowledge acquired throughout the course	Quiz via google form
1st & 2nd Week of Jan 2024	Revisions and Practical Applications - Discuss practical applications of the software learned and address any lingering questions or topics from the course	Interactive Discussion
3rd Week of Jan 2024	Additional Practical Sessions - Hands-on practice with MS Office and internet applications, focusing on projects or areas needing improvement	Lab Session
4th Week of Jan 2024	Remedial classes	Interactive Session/Discussion



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

1st Semester

Course Code: MDC117

Course Name: Information and Communication Technology

Assigned Syllabus: Units II, IV, VI, VII

Assigned Classes: 1 theory class per week

Week	Topics Covered (Theory)	Teaching Method
2nd week of Aug, 2023	Unit II: Overview of Computer Hardware Components: CPU, Memory, Storage Devices, Peripherals	Chalk & Board/PPT
3rd week of Aug, 2023	Unit II: Basics of Computer Architecture and Operating Systems	Chalk & Board/PPT
4th week of Aug, 2023	Unit II: Memory Types, Storage Devices, and Peripheral Components	Chalk & Board/PPT
1st week of Sep, 2023	Unit IV: Data Communication and Networks - Understanding Data Transmission, Communication Protocols	Chalk & Board/PPT
2nd week of Sep, 2023	Unit IV: Network Topologies and Architectures - LANs, WANs, and the Internet	Chalk & Board/PPT
3rd week of Sep, 2023	Unit IV: Types of Networks and Data Transmission Protocols	Chalk & Board/PPT
4th week of Sep, 2023	Unit VI: Introduction to Information Security in ICT, Overview of Cloud Computing Models (SaaS, PaaS, IaaS)	Chalk & Board/PPT
1st week of Oct, 2023	Unit VI: Virtualization Technologies and Their Role in Cloud Infrastructure	Chalk & Board/PPT
2nd week of Oct, 2023	Unit VI: Evolution of Mobile Technologies and Their Impact on ICT	Chalk & Board/PPT
3rd week of Oct, 2023	Unit VI: Exploration of Cutting-edge Technologies - Internet of Things, Artificial Intelligence, Virtual Reality	Chalk & Board/PPT
4th week of Oct, 2023	Unit VII: Ethical and Social Implications of ICT - Ethical Considerations in the Use of ICT	Chalk & Board/PPT
1st week of Nov, 2023	Unit VII: ICT's Impact on Society, Economy, and the Environment	Chalk & Board/PPT
2nd week of Nov, 2023	Remedial Class 1: Review and Discussion on Computer Architecture, Data Communication and Network Topologies	Discussion/Interactive
3rd week of Nov, 2023	Remedial Class 2: Further Review of Cutting-edge Technologies and ICT's Ethical Implications	Discussion/Interactive
4th week of Nov, 2023	Quiz: Conduct a Quiz via Google Form covering all units covered up to now	Quiz

1st week of Dec, 2023	Remedial Class 3: Addressing Quiz Results and Common Challenges	Discussion/Interactive
2nd week of Dec, 2023	Unit Review: Recap of Critical Topics in Units II, IV, VI, VII	Chalk & Board/PPT
3rd week of Dec, 2023	Final Review and Discussion: Comprehensive Review of All Topics	Discussion
1st week of Jan, 2024	Concluding Lecture and Open Discussion: Final Clarifications and Course Summary	Discussion/Interactive

Curriculum/Teaching Plan For Even Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

6TH Semester

Course Code: BSCHCOSC601

Course Name: Computer Graphics

Assigned Syllabus: Units I, II, III, IV, V, VI

Assigned Classes: 5 classes

Week	Topics Covered (Theory)	Teaching Method
3rd week of Feb, 2024	Unit I: Application Areas of Computer Graphics, Overview of Graphics Systems and Devices, Points and Lines, Line Drawing Algorithms	Chalk & Board/ppt
4th week of Feb, 2024	Unit I: Mid-Point Circle and Ellipse Algorithms, Filled Area Primitives, Polygon Filling Algorithms	Chalk & Board/ppt

1st week of Mar, 2024	Unit I: Curve Generation: Bezier and B-Spline Curves	Chalk & Board/ppt
2nd week of Mar, 2024	Unit II: 2-D Geometrical Transforms - Translation, Scaling, Rotation, Reflection and Shear Transformations	Chalk & Board/ppt
3rd week of Mar, 2024	Unit II: Composite Transforms, Transformations between Coordinate Systems, 2-D Viewing - The Viewing Pipeline, Viewing Coordinate Reference Frame, Window to Viewport Coordinate Transformation, Viewing Functions	Chalk & Board/ppt
4th week of Mar, 2024	Unit III: Line Clipping Algorithms - Cohen-Sutherland and Cyrus Beck Line Clipping Algorithms	Chalk & Board/ppt/quiz via Google form
1st week of Apr, 2024	Unit III: Sutherland-Hodgeman Polygon Clipping Algorithm, 3-D Object Representation - Polygon Surfaces, Quadric Surfaces, Spline Representation	Chalk & Board/ppt
2nd week of Apr, 2024	Unit IV: 3-D Geometric Transformations - Translation, Rotation, Scaling, Reflection and Shear Transformations	Chalk & Board/ppt
3rd week of Apr, 2024	Unit IV: Composite Transformations, 3-D Viewing - Viewing Pipeline, Viewing Coordinates, View Volume	Chalk & Board/ppt
4th week of Apr, 2024	Unit V: Visible Surface Detection Methods - Classification, Back-Face Detection	Chalk & Board/ppt
1st week of May, 2024	Unit V: Depth Buffer, Scanline, Depth Sorting, BSP-Tree Methods, Area Sub-Division, and Octree Methods	Chalk & Board/ppt/ quiz via Google form
2nd week of May, 2024	Unit V: Illumination Models and Surface Rendering Methods - Basic Illumination Models	Chalk & Board/ppt

3rd week of May, 2024	Unit V: Polygon Rendering Methods	Chalk & Board/ppt
4th week of May, 2024	Unit V: Computer Animation - Design of Animation Sequence, General Computer Animation Functions	Chalk & Board/ppt
1st week of Jun, 2024	Unit V: Motion Control Methods, Morphing, Warping (Mesh Warping)	Chalk & Board/ppt
2nd week of Jun, 2024	Unit VI: Virtual Reality - Basic Concepts, Classical Components of VR System	Chalk & Board/ppt
3rd week of Jun, 2024	Unit VI: Types of VR Systems, Three-Dimensional Position Trackers	Chalk & Board/ppt
4th week of Jun, 2024	Unit VI: Navigation and Manipulation Interfaces, Gesture Interfaces, Input Devices, Graphical Rendering Pipeline, Haptic Rendering Pipeline, OpenGL Rendering Pipeline	Chalk & Board/ppt
Last week of Jun, 2024	Remedial classes	Discussion

Practical Teaching Plan(Computer Graphics)

Week	Practical Topics	Teaching Method
3 rd & 4th week of Feb, 2024	Experiment 1: Line Drawing Using DDA and Bresenham	Lab Session
1st week of Mar, 2024	Experiment 2: Circle Drawing Using Midpoint Algorithm	Lab Session
2nd week of Mar, 2024	Experiment 3: Ellipse Drawing Using Midpoint Algorithm	Lab Session

3 rd & 4 th week of Mar, 2024	Experiment 4: Curve Generation: Bezier and B-Spline Curves	Lab Session
1 st & 2 nd week of Apr,2024	Experiment 5: Line Clipping Algorithms - Cohen-Sutherland and Cyrus Beck	Lab Session
3 rd week of Apr,2024	Experiment 6: Sutherland–Hodgeman Polygon Clipping Algorithm	Lab Session
4 th Week of Apr,2024	Experiment 7: Polygon Filling Algorithms	Lab Session
1 st , 2 nd & 3 rd week of May, 2024	Experiment 8: Performing Basic 2D Transformations (Translation, Scaling, Rotation, Shearing, Reflection) for a given 2D object	Lab Session



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

Course Code: BSCHCOSC403

Course Name: Object-Oriented Programming

Assigned Classes: 5 classes

Week	Topics Covered (Theory)	Practical Topics	Teaching Method
3 rd week of Feb, 2024	Unit I: Introduction to Object-Oriented Programming (OOP), Basic Features of OOP, Characteristics of C++ and OOP, Structure of a C++ Program, Flow Control Statements	1. Number of vowels and number of characters in a string	Chalk & Board/PPT, Lab
4 th week of Feb, 2024	Unit I: Functions - Scope of Variables, Inline Functions, Recursive Functions, Pointers to Functions, C++ Pointers, Arrays	2. Write a function zeroSmaller() to set the smaller of two numbers to zero	Chalk & Board/PPT, Lab
1 st week of Mar, 2024	Unit I: Dynamic Memory Allocation and De-allocation	3. Demonstration of Class, Constructors, Destructors, Input and Output Functions, Objects	Chalk & Board/PPT, Lab

2nd week of Mar, 2024	Unit II: Differences Between Object-Oriented and Procedure-Oriented Programming, Overview of OOP Principles, Encapsulation, C++ Classes, Objects	4. Demonstration of Array of Objects	Chalk & Board/PPT, Lab
3rd week of Mar, 2024	Unit II: Constructors, Destructors, this Pointer, Friend Functions, Data Abstraction	5. Demonstration of Friend Functions	Chalk & Board/PPT, Lab
4th week of Mar, 2024	Unit II: Operator Overloading, Type Conversion	6. Demonstration of Operator Overloading	Chalk & Board/PPT, Lab, quiz via google form
1st week of Apr, 2024	Unit III: Class Inheritance, Base and Derived Classes, Virtual Base Class	7. Demonstration of Inheritance	Chalk & Board/PPT, Lab
2nd week of Apr, 2024	Unit III: Virtual Functions, Polymorphism, Static and Dynamic Bindings, Base and Derived Class Virtual Functions	8. Using this Pointer to Return a Value (return by reference)	Chalk & Board/PPT, Lab
3rd week of Apr, 2024	Unit III: Dynamic Binding through Virtual Functions, Pure Virtual Functions, Abstract Classes, Virtual Destructors	9. Demonstration of Virtual Function	Chalk & Board/PPT, Lab
4th week of Apr, 2024	Unit IV: Stream Classes Hierarchy, Stream I/O, File Streams, Overloading the Extraction and Insertion Operators	10. Demonstration of Static Function	Chalk & Board/PPT, Lab
1st week of May, 2024	Unit IV: Error Handling during File Operations, Formatted I/O	11. Accessing a Particular Record in a Student's File	Chalk & Board/PPT, Lab
2nd week of May, 2024	Unit V: Exception Handling - Benefits of Exception Handling, Throwing an Exception, Try Block, Catching an Exception	12. Demonstration of Exception Handling	Chalk & Board/PPT, Lab
3rd week of May, 2024	Unit V: Exception Objects, Exception Specifications, Rethrowing an Exception, Uncaught Exceptions	Review and Demonstration of Concepts Covered	Chalk & Board/PPT, Lab, quiz via google form

4th week of May, 2024	Unit VI: Templates - Class Templates and Function Templates, Simple Generic Classes and Functions	13. Demonstration of Class Template and Function Template	Chalk & Board/PPT, Lab
1st week of Jun, 2024	Unit VI: Introduction to Standard Template Library (STL), Components of STL, STL List, Vector, Array	14. Demonstration of Standard Template Library (STL)	Chalk & Board/PPT, Lab
2nd week of Jun, 2024	Final Review and Revision - Consolidation of All Topics	Review of All Practical Topics	Chalk & Board/PPT, Lab
3rd week of Jun, 2024	Remedial classes	-	Discussion



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

2nd Semester

Course Code: BSCCOSMJ201

Course Name: Data Structures and Algorithms

Assigned Classes: 4 classes

Week	Topics Covered (Theory)	Practical Topics	Teaching Method
2nd week of Apr, 2024	Unit I: Basic Concepts of Data, Data Structures, ADT, Algorithm Specification, Recursive Algorithms, Data Abstraction, Performance Analysis	–	Chalk & Board/PPT
3rd week of Apr, 2024	Unit II: Singly Linked Lists - Operations, Concatenation, Circularly Linked Lists - Operations, Doubly Linked Lists – Operations	Implementation of Singly Linked List, Circularly Linked List	Chalk & Board/PPT, Lab
4th week of Apr, 2024	Unit II: Polynomial and Sparse Matrix Representation Using Linked Lists	Practical Implementation of Polynomial and Sparse Matrix Representation	Chalk & Board/PPT, Lab
1st week of May, 2024	Unit III: Stack - Definition, Operations, Array and Linked Implementations	Stack Implementation - Parenthesis Matching, String Reversal	Chalk & Board/PPT, Lab
2nd week of May, 2024	Unit III: Applications - Infix to Postfix Conversion, Postfix Expression Evaluation, Recursion Implementation	Practical: Infix to Postfix Conversion, Postfix Evaluation	Chalk & Board/PPT, Lab
3rd week of May, 2024	Unit IV: Queue - Definition, Operations, Array and Linked Implementations	Queue Implementation - Circular Queue Operations	Chalk & Board/PPT, Lab

4th week of May, 2024	Unit IV: Circular Queues - Insertion and Deletion Operations, Priority Queue, Dequeue (Double-Ended Queue)	Practical: Priority Queue Implementation	Chalk & Board/PPT, Lab
1st week of Jun, 2024	Unit V: Searching Methods - Linear and Binary	Practical: Implementing Linear and Binary Search	Chalk & Board/PPT, Lab
2nd week of Jun, 2024	Unit VI: Sorting Methods - Bubble, Insertion, Selection, Shell Sort	Sorting Algorithms Implementation - Bubble, Insertion, Selection Sorts	Chalk & Board/PPT, Lab
3rd week of Jun, 2024	Unit VI: Sorting Methods - Quick Sort, Merge Sort (Divide and Conquer Approach), Comparison of Sorting Methods	Practical: Quick Sort, Merge Sort Implementation	Chalk & Board/PPT, Lab
4th week of Jun, 2024	Unit VII: Trees, Binary Tree, Properties, Representations (Array, Linked), Traversals, Threaded Binary Trees	Binary Tree Traversal and Implementation	Chalk & Board/PPT, Lab
1st week of Jul, 2024	Unit VII: Binary Search Tree - Creation, Insertion, Deletion, AVL Tree, B Tree, B+ Tree, Heap - Min Heap, Max Heap, Priority Queue Using Heap	Practical: Implementing Binary Search Tree, AVL Tree, and Heap	Chalk & Board/PPT, Lab
2nd week of Jul, 2024	Unit VIII: Graphs - Graph ADT, Graph Representations, Graph Traversals and Searching	Graph Implementation - BFS, DFS	Chalk & Board/PPT, Lab
3rd week of Jul, 2024	Remedial classes	-	Discussion



Name Of The Teacher/Course Instructor: Mr. Arpan Tewary

2nd Semester

Course Code: MDC209

Course Name: Social Media and Cyber Awareness

Assigned Syllabus: Units I, IV, VIII

Assigned Classes: 1 class

Week	Topics Covered (Theory)	Teaching Method
1st week of Apr, 2024	Unit I: Introduction to Social Media - Overview of Major Social Media Platforms and Their Features	Chalk & Board/PPT
2nd week of Apr, 2024	Unit I: History and Evolution of Social Media	Chalk & Board/PPT
3rd week of Apr, 2024	Unit I: Pros and Cons of Social Media Usage	Chalk & Board/PPT
4th week of Apr, 2024	Unit IV: Social Media and Mental Health - Relationship between Social Media Usage and Mental Well-being	Chalk & Board/PPT
1st week of May, 2024	Unit IV: Strategies for Promoting a Healthy Balance between Online and Offline Life	Chalk & Board/PPT
2nd week of May, 2024	Unit IV: Dealing with Social Media Addiction	Chalk & Board/PPT
3rd week of May, 2024	Unit VIII: Creating Your Online Safety Plan - Developing a Personal Cyber Security and Social Media Responsibility Plan	Chalk & Board/PPT

4th week of May, 2024	Unit VIII: Resources for Staying Informed about Online Safety	Chalk & Board/PPT
1st week of Jun, 2024	Quiz: Conduct a quiz via Google Form to assess the understanding of the course	Quiz
2nd week of Jun, 2024	Remedial Class 1: Addressing common challenges and questions from the quiz, focusing on Unit I (Introduction to Social Media)	Discussion/Interactive
3rd week of Jun, 2024	Remedial Class 2: Additional coverage on Unit IV (Social Media and Mental Health) based on quiz feedback	Discussion/Interactive
4th week of Jun, 2024	Remedial Class 3: Further clarification on Unit VIII (Online Safety Plan), addressing issues from quiz results	Discussion/Interactive

Banwarilal Bhalotia College, Asansol

Department of Computer Science

Curriculum/Teaching Plan for the Academic Year

1st September 2023-31st May 2024



Name of Teacher/Course Instructor: Mr. Samrat Kundu

1stSemester

Course Name: Introduction to programming using C Course Code: BSCCOSMJ101

Assigned Syllabus: Unit II, III,VI AND VIII of the paper (MJC-1)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
Month of September2023	Introduction, Algorithms, Flowcharts	Chalk & Board/pdf files/practical in computer
Month of October2023	Top-Down design, Simple problems	Chalk & Board/pdf files/practical in computer
Month of November 2023	Structures and Unions	Chalk & Board/pdf files/practical in computer
Month of December 2023	File Handling	Chalk & Board/pdf files/practical in computer

Month of January 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
1st week of February 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
2nd week of February 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

Course Name: Information and Communication Technology Course Code: MDC117

Assigned Syllabus: Unit III, V, VI AND VII of the paper (MD-1)

Assigned Classes: One class per week

Expected Time span	Topics covered	Teaching Method
Month of September2023	Software and Programming Fundamentals	Chalk & Board/pdf files/practical in computer
Month of October2023	Basics of Email	Chalk & Board/pdf files/practical in computer
Month of November 2023	Emerging Technologies	Chalk & Board/pdf files/practical in computer
Month of December 2023	Ethical and Social implications of ICT	Chalk & Board/pdf files/practical in computer
Month of January 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
1st week of February 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
2nd week of February 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

3rd Semester

Course Name: **Computer Networks** Course Code: **BSCHCOSC303**

Assigned Syllabus: Unit II, III and V of the paper (CC-7)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
Month of September 2023	Data Communication Fundamental and Techniques	Chalk & Board/pdf files/practical in computer
Month of October 2023	Network Switching Techniques	Chalk & Board/pdf files/practical in computer
Month of November 2023	Access Mechanism	Chalk & Board/pdf files/practical in computer
Month of December 2023	Multiple Access Protocol and Network Layer	Chalk & Board/pdf files/practical in computer
Month of January 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
1st week of February 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
2nd week of February 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

Course Name: **Programming in Java** Course Code: **BSCHCOSSE301**

Assigned Syllabus: Unit III and IV of the paper (SEC-1)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
Month of September 2023	Exception Handling, Wrapper Classes	Chalk & Board/pdf files/practical in computer
Month of October 2023	Multithreading	Chalk & Board/pdf files/practical in computer
Month of November 2023	Applets	Chalk & Board/pdf files/practical in computer
Month of December 2023	Event Handling	Chalk & Board/pdf files/practical in computer
Month of January 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
1st week of February 2024	Remedial classes as per the	Discussion/Interactive

	performance of the students	Session
2nd week of February 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

5th Semester

Course Name: Internet Technologies Course Code: BSCHCOSC501

Assigned Syllabus: Practical Unit IV and V of the paper(CC-11)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
Month of September2023	PHP	Chalk & Board/pdf files/practical in computer
Month of October2023	MYSQL	Chalk & Board/pdf files/practical in computer
Month of November 2023	PHP with MYSQL	Chalk & Board/pdf files/practical in computer
Month of December 2023	CRUD Operation	Chalk & Board/pdf files/practical in computer
Month of January 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
1st week of February 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
2nd week of February 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

Course Name: Artificial Intelligence Course Code: BSCHCOSC502

Assigned Syllabus: Practical Unit IV and V of the paper (CC-12)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
Month of September2023	Introduction to Prolog	Chalk & Board/pdf files/practical in computer
Month of October2023	Arithmetic and Lists	Chalk & Board/pdf files/practical in computer
Month of November 2023	Backtracking, cut and	Chalk & Board/pdf

	negation	files/practical in computer
Month of December 2023	Search, Cut, Difference	Chalk & Board/pdf files/practical in computer
Month of January 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
1st week of February 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
2nd week of February 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

Course Name: **System Security** Course Code: **BSCHCOSDSE504**

Assigned Syllabus: Unit II, III and IV of the paper (DSE-1)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
Month of September 2023	User Authentication	Chalk & Board/pdf files/practical in computer
Month of October 2023	Access Control	Chalk & Board/pdf files/practical in computer
Month of November 2023	Database Security	Chalk & Board/pdf files/practical in computer
Month of December 2023	Database Encryption	Chalk & Board/pdf files/practical in computer
Month of January 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
1st week of February 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
2nd week of February 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

2nd Semester

Course Name: **Basics of Python**

Course Code: **BSCCOSSE201**

Assigned Syllabus: All Units of the paper (SEC-2)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
3 rd and 4 th week of March2024	Introduction to Python	Chalk & Board/pdf files/practical in computer
1 st and 2 nd week of April 2024	Operators in Python	Chalk & Board/pdf files/practical in computer
3 rd and 4 th week of April 2024	Arrays in Python	Chalk & Board/pdf files/practical in computer
1 st week of May 2024	Functions, list and tuples	Chalk & Board/pdf files/practical in computer
2 nd week of May 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
3 rd week of May 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
4 th week of May2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

Course Name: **Social Media and Cyber Awareness**

Course Code: **MDC209**

Assigned Syllabus: Unit III, VI and VIII of the Paper (MD-2)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
3 rd and 4 th week of March2024	Responsible Social media usage and digital citizenship	Chalk & Board/pdf files/practical in computer
1 st and 2 nd week of April 2024	Cyber bullying and Online harassment	Chalk & Board/pdf files/practical in computer
3 rd and 4 th week of April 2024	Identifying and avoiding online scams	Chalk & Board/pdf files/practical in computer
1 st week of May 2024	Reporting and dealing with online fraud	Chalk & Board/pdf files/practical in computer
2 nd week of May 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
3 rd week of May 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
4 th week of May 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

4thSemester

Course Name: **Software Engineering**

Course Code: **BSCHCOSC401**

Assigned Syllabus: All Units of the paper(CC-8)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
3 rd and 4 th week of March2024	Software development approaches	Chalk & Board/pdf files/practical in computer
1 st and 2 nd week of April 2024	Software design principles	Chalk & Board/pdf files/practical in computer
3 rd and 4 th week of April 2024	Object oriented design	Chalk & Board/pdf files/practical in computer
1 st week of May 2024	Software reliability and testing	Chalk & Board/pdf files/practical in computer
2 nd week of May 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
3 rd week of May 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
4 th week of May 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

Course Name: **Web Programming**

Course Code: **BSCHCOSSE402**

Assigned Syllabus: All Units of the paper(SEC-2)

Assigned Classes: Two classes per week

Expected Time span	Topics covered	Teaching Method
3 rd and 4 th week of March2024	HTML/HTML5	Chalk & Board/pdf files/practical in computer
1 st and 2 nd week of April 2024	CSS/CSS3	Chalk & Board/pdf files/practical in computer
3 rd and 4 th week of April 2024	JAVASCRIPT	Chalk & Board/pdf files/practical in computer
1 st week of May 2024	DATABASE BASICS	Chalk & Board/pdf files/practical in computer

2 nd week of May 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
3 rd week of May 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
4 th week of May 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

6th Semester

Course Name: **Machine Learning (CC-14)** Course Code: **BSCHCOSC602**

Assigned Syllabus: All Units of the paper (CC-14)

Assigned Classes: Three classes per week

Expected Time span	Topics covered	Teaching Method
3 rd and 4 th week of March 2024	Introduction, Software's for machine learning	Chalk & Board/pdf files
1 st and 2 nd week of April 2024	Linear regression, Logistic Regression	Chalk & Board/pdf files/practical in computer
3 rd and 4 th week of April 2024	Regularization, Neural Networks	Chalk & Board/pdf files/practical in computer
1 st week of May 2024	Class test on the topics covered till date	Assignment via Digital Platform(Online Mode)
2 nd and 3 rd week of May 2024	Remedial classes as per the performance of the students	Discussion/Interactive Session
4 th week of May 2024	Assignment Based Exam covering the whole Unit Syllabus	Assignment Via Offline Mode

Banwarilal Bhalotia College, Department of Statistics

Teaching Plan for Odd Semesters of the academic year 2023-2024

Name of the teacher: Dr. Kuntal Bakuli

Course Name: Descriptive Statistics and Probability – I

Course Code: BSCSTSMN101

Number of class assigned per week: 6

Expected Time Span	Topics Covered	Teaching Method
By the end of 31 st August	Measure of Central tendency	Class lectures, class test and Practical assignment
By the end of 30 th September	Measures of Dispersion	Class lectures, class test and Practical assignment
By the end of 30 th November	Theory of Probability	Class lectures, class test and Practical assignment

Course Name: Introduction to Statistical Inference

Course Code: BSCHSTSGE301

Number of class assigned per week: 6

Expected Time Span	Topics Covered	Teaching Method
By the end of 31 st August	Infinite Population and random sample, Estimation, Different types estimation techniques	Class lectures, class test and Practical assignment
By the end of 30 th September	Testing of Hypothesis	Class lectures, class test and Practical assignment
By the end of 30 th November	Analysis of Variance and Design of experiment	Class lectures, class test and Practical assignment

Name of the teacher: Mr. Joy Sinha

Course Name: Descriptive Statistics and Probability – I

Course Code: BSCSTSMN101

Number of class assigned per week: 3-4

Expected Time Span	Topics Covered	Teaching Method
By the end of 31 st August	Different types of data, different presentation of data, Frequency distribution of data.	Class lectures, class test and Practical assignment
By the end of 30 th September	Skewness and Kurtosis	Class lectures, class test and Practical assignment

Course Name: Introduction to Statistical Inference

Course Code: BSCHSTSGE301

Number of class assigned per week: 3

Expected Time Span	Topics Covered	Teaching Method
By the end of 31 st August	Basics of Non-parametric inference	Class lectures, class test and Practical assignment
By the end of 30 th September	Non-parametric testing of hypothesis	Class lectures, class test and Practical assignment

Teaching Plan for Even Semesters of the academic year 2023-2024

Name of the teacher: Dr. Kuntal Bakuli

Course Name: Bivariate Data Analysis and Probability-II

Course Code: BSCSTSMN201

Number of class assigned per week: 6

Expected Time Span	Topics Covered	Teaching Method
By the end of 31 st March	Random Variables, Standard distributions of Discrete random variables	Class lectures, class test and Practical assignment
By the end of 30 th April	Standard distributions of Continuous random variables	Class lectures, class test and Practical assignment
By the end of 15 th May	Limit theory of Probability, Inequalities	Class lectures and class test

Course Name: Introduction to Applied Statistics

Course Code: BSCHSTSGE401

Number of class assigned per week: 6

Expected Time Span	Topics Covered	Teaching Method
By the end of 31 st March	Economic Time Series	Class lectures, class test and Practical assignment
By the end of 30 th April	Statistical Quality Control	Class lectures, class test and Practical assignment
By the end of 15 th May	Index Numbers	Class lectures and class test and Practical assignment

Name of the teacher: Mr. Joy Sinha

Course Name: Bivariate Data Analysis and Probability-II

Course Code: BSCSTSMN201

Number of class assigned per week: 3-4

Expected Time Span	Topics Covered	Teaching Method
By the end of 31 st March	Correlation between two variables	Class lectures, class test and Practical assignment
By the end of 30 th April	Regression equation	Class lectures, class test and Practical assignment
By the end of 15 th May	Measure of association between two attributes	Class lectures, class test and Practical assignment

Course Name: Introduction to Applied Statistics

Course Code: BSCHSTSGE401

Number of class assigned per week: 3-4

Expected Time Span	Topics Covered	Teaching Method
By the end of 31 st March	Practical problems of time series analysis	Class lectures, class test and Practical assignment
By the end of 30 th April	Official Statistics	Class lectures, class test

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Sayantan Dutta

1st Semester

Course Name: Environment & Ecology

Course Code: BSCENVSCMJ101

Assigned Syllabus: All 5 units of the syllabus

Assigned Classes: 4 Classes /Week

Expected Time Span	Topics Covered	Teaching Method
1 st and 2 nd week of September	Concept of Environment: Concept and types and components of environment; Objectives, nature and scope of the subject; Man-environment relationships; Environmental awareness – Earth Summits, recent Conventions on climate change	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of September	Environmental issues and scales: Concepts of micro-, meso-, synoptic and planetary scales; Temporal and special extents of local, regional, and global phenomenon. Environmental Education: Goals of environmental education; Environmental education at primary, secondary and tertiary level; Green politics; Models for future environmental education; Environmental movements – The Chipko movement, Silent Valley movement, Narmada Bachao Andolan, Tehri Dam Conflict	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st Week of October	Concepts of Ecology: Subdivisions and developmental phases of ecology; Ecological classification (hydrophytes, xerophytes, halophytes, mesophytes, lithophytes, chasmophytes, epiphytes) and their anatomical, morphological and physiological adaptation; Ecological factors - climatic, edaphic, physiographic and biotic; Limiting factor & Shelford's Law.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st Week of November	Geology and Ecology: Geological interaction with environment; Concepts of community and keystone species, and relationship with geology; Role of geology in ecological restoration	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd Week of November	Class Test on the full syllabus	
4 th Week of November	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Sayantan Dutta

1st Semester

Course Name: Environment & Ecology

Course Code: BSCENVSCMN101

Assigned Syllabus: 4 units of the syllabus (Concept of Environment, Environmental issues and scales, Environmental Education and Geology and Ecology)

Assigned Classes: 3 Classes /Week

Expected Time Span	Topics Covered	Teaching Method
1 st and 2 nd week of September	Concept of Environment: Concept and types and components of environment; Objectives, nature and scope of the subject; Man-environment relationships; Environmental awareness – Earth Summits, recent Conventions on climate change	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of September	Environmental issues and scales: Concepts of micro-, meso-, synoptic and planetary scales; Temporal and spatial extents of local, regional, and global phenomenon. Environmental Education: Goals of environmental education; Environmental education at primary, secondary and tertiary level; Green politics; Models for future environmental education; Environmental movements – The Chipko movement, Silent Valley movement, Narmada Bachao Andolan, Tehri Dam Conflict	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st Week of October	Geology and Ecology: Geological interaction with environment; Concepts of community and keystone species, and relationship with geology; Role of geology in ecological restoration	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st Week of November	Class Test on the full syllabus	
3 rd Week of November	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Dr. Arnab Ganguly

1st Semester

Course Name: Environment & Ecology

Course Code: BSCENVSCMN101

Assigned Syllabus: 1 unit of the syllabus (Concepts of Ecology)

Assigned Classes: 1 Class /Week

Expected Time Span	Topics Covered	Teaching Method
1 st and 2 nd week of September	Concepts of Ecology: Subdivisions and developmental phases of ecology	Chalk and Board/PPT/PDF lectures (Study materials had been supplied in advance)
3 rd and 4 th Week of September	Ecological classification (hydrophytes, xerophytes, halophytes, mesophytes, lithophytes, chasmophytes, epiphytes) and their anatomical, morphological and physiological adaptation;	Chalk and Board/PPT/PDF lectures (Study materials had been supplied in advance)
1 st Week of October	Ecological factors - climatic, edaphic, physiographic and biotic, Limiting factor & Shelford's Law	Chalk and Board/PPT/PDF lectures (Study materials had been supplied in advance)
1 st Week of November	Class Test on the full syllabus	
3 rd Week of November	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Sayantan Dutta

1st Semester

Course Name: ENVIRONMENTAL MONITORING TECHNIQUES

Course Code: BSCENVSCSE101

Assigned Syllabus: All 5 units of the syllabus

Assigned Classes: 2 Classes /Week

Expected Time Span	Topics Covered	Teaching Method
1 st and 2 nd week of September	Air quality Monitoring: Collection of air sample [High volume sampler, particulate matter (PM _{2.5} , PM ₁₀)]; Concept of SPM and RSPM.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of September	Water quality monitoring: Water quality parameters; Water sampling techniques & measurements and instruments (Titrimetric and Gravimetric methods, Portable pH meter, conductivity meter, Spectrophotometer); Standard curve.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st Week of October	Soil quality Monitoring: Classification of texture (International pipette and Hygrometer method); Soil sampling and measurement of different soil parameters [pH meter, conductivity meter, Soil organic carbon (Titrimetric method), Nitrogen (modified Kjeldahl's method), & Flame photometer]	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st Week of November	Biological monitoring: Biological monitoring: Quantification (Sedgwick Rafter counter) & qualification of freshwater plankton (phyto- & zoo-plankton), aquatic macrophytes of importance); Types of plankton net.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of November	Environmental Statistics: Types of data: Primary and secondary; Methods of collection of environmental data; Measures of central tendency (Mean, median, mode) and variance of a given environmental data set; Frequency distribution; Measures of dispersion; Correlation and Regression, Hypothesis testing, T-test, Chi square test	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st Week of December	Class Test on the full syllabus	
2 nd Week of December	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Sayantan Dutta

2nd Semester

Course Name: ENVIRONMENTAL STUDIES (VALUE ADDED COURSE)

Course Code: Assigned Syllabus: All 6 units of the syllabus

Assigned Classes: 1 Class /Week for every batch (All Morning Shift, BBA/BCA, All Hindi Shift program)

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd week of April, 2024	Unit 1: Basics of Environmental Studies: Definition; Components of environment: Environmental education Unit 2: Natural Resources: Renewable and Nonrenewable Resources Nature and natural resources their conservation and associated problems: ● Forest resources: Uses, types and importance, Joint Forest Management MARKS: 50 00 ● Water resources: Use, over exploitation of surface and groundwater; Dams: Benefits and problems; Flood and Drought ● Mineral resources: Mineral resources in India; Use and exploitation. ● Food resources: World food problems and food insecurities ● Energy resources: Renewable and Nonrenewable energy sources; Use of alternate energy sources ● Land resources: Land as a resource; Land degradation, landslides, soil erosion, desertification.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
4 th Week of April, 2024	Unit 3: Ecology and Ecosystems Concept of ecology, Population ecology, Community ecology ● Concept of an ecosystem, different types of ecosystems. ● Food chains, food webs ● Energy flow in the ecosystem	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of May, 2024	Unit 4: Biodiversity and its conservation Biodiversity: Levels of biological diversity ● Values of biodiversity ● Hot-Spots of biodiversity, Mega-biodiversity countries ● Threat to biodiversity ● Conservation of biodiversity (In- situ and Ex-situ)	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of May, 2024	Unit 5: Environmental Pollution and Management (05) (05) (05) (a) Nature, Causes, Effects and Control measures of – Air pollution, Water pollution, Soil pollution, Noise pollution, Vision pollution (b) Solid waste management: Causes, effects and disposal methods; Management of wastes	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of June, 2024	Unit 6: Environmental Policies and Practices Constitutional Provisions for protecting environment- Article 48(A), 51A(g) (05) ● Environmental Laws: The Environment (Protection) Act, 1986; The Air (Prevention and Control of Pollution) Act, 1981; The Water (Prevention and Control of Pollution) Act 1974 ● Climate change, Global warming and Protocols, Acid rain	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd week of June, 2024	Class Test on the full syllabus	
4 th week of June, 2024	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Pankaj Dutta

2nd Semester

Course Name: ENVIRONMENTAL STUDIES (VALUE ADDED COURSE)

Course Code: Assigned Syllabus: All 6 units of the syllabus

Assigned Classes: 1 Class /Week for every batch (Arts Hons Day Shift, Group-2 i.e. Social Science and Humanities)

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd week of April, 2024	Unit 1: Basics of Environmental Studies: Definition; Components of environment: Environmental education Unit 2: Natural Resources: Renewable and Nonrenewable Resources Nature and natural resources their conservation and associated problems: • Forest resources: Uses, types and importance, Joint Forest Management MARKS: 50 00 • Water resources: Use, over exploitation of surface and groundwater; Dams: Benefits and problems; Flood and Drought • Mineral resources: Mineral resources in India; Use and exploitation. • Food resources: World food problems and food insecurities • Energy resources: Renewable and Nonrenewable energy sources; Use of alternate energy sources • Land resources: Land as a resource; Land degradation, landslides, soil erosion, desertification.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
4 th Week of April, 2024	Unit 3: Ecology and Ecosystems Concept of ecology, Population ecology, Community ecology • Concept of an ecosystem, different types of ecosystems. • Food chains, food webs • Energy flow in the ecosystem	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of May, 2024	Unit 4: Biodiversity and its conservation Biodiversity: Levels of biological diversity • Values of biodiversity • Hot-Spots of biodiversity, Mega-biodiversity countries • Threat to biodiversity • Conservation of biodiversity (In- situ and Ex-situ)	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of May, 2024	Unit 5: Environmental Pollution and Management (05) (05) (05) (a) Nature, Causes, Effects and Control measures of – Air pollution, Water pollution, Soil pollution, Noise pollution, Vision pollution (b) Solid waste management: Causes, effects and disposal methods; Management of wastes	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of June, 2024	Unit 6: Environmental Policies and Practices Constitutional Provisions for protecting environment- Article 48(A), 51A(g) (05) • Environmental Laws: The Environment (Protection) Act, 1986; The Air (Prevention and Control of Pollution) Act, 1981; The Water (Prevention and Control of Pollution) Act 1974 • Climate change, Global warming and Protocols, Acid rain	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd week of June, 2024	Class Test on the full syllabus	
4 th week of June, 2024	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Raja Mukherjee

2nd Semester

Course Name: ENVIRONMENTAL STUDIES (VALUE ADDED COURSE)

Course Code: Assigned Syllabus: All 6 units of the syllabus

Assigned Classes: 1 Class /Week for every batch (Arts Hons Day Shift, Group-1 i.e. Language Group)

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd week of April, 2024	Unit 1: Basics of Environmental Studies: Definition; Components of environment: Environmental education Unit 2: Natural Resources: Renewable and Nonrenewable Resources Nature and natural resources their conservation and associated problems: ● Forest resources: Uses, types and importance, Joint Forest Management MARKS: 50 00 ● Water resources: Use, over exploitation of surface and groundwater; Dams: Benefits and problems; Flood and Drought ● Mineral resources: Mineral resources in India; Use and exploitation. ● Food resources: World food problems and food insecurities ● Energy resources: Renewable and Nonrenewable energy sources; Use of alternate energy sources ● Land resources: Land as a resource; Land degradation, landslides, soil erosion, desertification.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
4 th Week of April, 2024	Unit 3: Ecology and Ecosystems Concept of ecology, Population ecology, Community ecology ● Concept of an ecosystem, different types of ecosystems. ● Food chains, food webs ● Energy flow in the ecosystem	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of May, 2024	Unit 4: Biodiversity and its conservation Biodiversity: Levels of biological diversity ● Values of biodiversity ● Hot-Spots of biodiversity, Mega-biodiversity countries ● Threat to biodiversity ● Conservation of biodiversity (In- situ and Ex-situ)	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of May, 2024	Unit 5: Environmental Pollution and Management (05) (05) (05) (a) Nature, Causes, Effects and Control measures of – Air pollution, Water pollution, Soil pollution, Noise pollution, Vision pollution (b) Solid waste management: Causes, effects and disposal methods; Management of wastes	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of June, 2024	Unit 6: Environmental Policies and Practices Constitutional Provisions for protecting environment- Article 48(A), 51A(g) (05) ● Environmental Laws: The Environment (Protection) Act, 1986; The Air (Prevention and Control of Pollution) Act, 1981; The Water (Prevention and Control of Pollution) Act 1974 ● Climate change, Global warming and Protocols, Acid rain	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd week of June, 2024	Class Test on the full syllabus	
4 th week of June, 2024	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mrs Debdyuti Sengupta

2nd Semester

Course Name: ENVIRONMENTAL STUDIES (VALUE ADDED COURSE)

Course Code: Assigned Syllabus: All 6 units of the syllabus

Assigned Classes: 1 Class /Week for every batch (All Hindi Shift B.Com i.e. both Hons and program, All Evening Shift B.Com i.e. both Hons and program, All Hindi Shift Hons, All Science Hons including Geography and Economics)

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd week of April, 2024	Unit 1: Basics of Environmental Studies: Definition; Components of environment: Environmental education Unit 2: Natural Resources: Renewable and Nonrenewable Resources Nature and natural resources their conservation and associated problems: ● Forest resources: Uses, types and importance, Joint Forest Management MARKS: 50 00 ● Water resources: Use, over exploitation of surface and groundwater; Dams: Benefits and problems; Flood and Drought ● Mineral resources: Mineral resources in India; Use and exploitation. ● Food resources: World food problems and food insecurities ● Energy resources: Renewable and Nonrenewable energy sources; Use of alternate energy sources ● Land resources: Land as a resource; Land degradation, landslides, soil erosion, desertification.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
4 th Week of April, 2024	Unit 3: Ecology and Ecosystems Concept of ecology, Population ecology, Community ecology ● Concept of an ecosystem, different types of ecosystems. ● Food chains, food webs ● Energy flow in the ecosystem	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of May, 2024	Unit 4: Biodiversity and its conservation Biodiversity: Levels of biological diversity ● Values of biodiversity ● Hot-Spots of biodiversity, Mega-biodiversity countries ● Threat to biodiversity ● Conservation of biodiversity (In- situ and Ex-situ)	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of May, 2024	Unit 5: Environmental Pollution and Management (05) (05) (05) (a) Nature, Causes, Effects and Control measures of – Air pollution, Water pollution, Soil pollution, Noise pollution, Vision pollution (b) Solid waste management: Causes, effects and disposal methods; Management of wastes	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of June, 2024	Unit 6: Environmental Policies and Practices Constitutional Provisions for protecting environment- Article 48(A), 51A(g) (05) ● Environmental Laws: The Environment (Protection) Act, 1986; The Air (Prevention and Control of Pollution) Act, 1981; The Water (Prevention and Control of Pollution) Act 1974 ● Climate change, Global warming and Protocols, Acid rain	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd week of June, 2024	Class Test on the full syllabus	
4 th week of June, 2024	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Sayantan Dutta

2nd Semester

Course Name: Biological Environment

Course Code: BSCENVSCMN201

Assigned Syllabus: Unit- 3 Concepts of Ecosystem and Biomes and Unit- 4 Biotic Community

Assigned Classes: 3 Classes /Week

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd week of April, 2024	Concepts of Ecosystem and Biomes: Structural and functional aspects of major ecosystems; Ecological pyramids, food chain and food.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
4 th Week of April, 2024	Biomes: Concept, characteristics of biome types, viz., Grass lands, Tropical Rain Forests and Tundra	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of May, 2024	Biotic Community: Basic ideas on population and community;	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of May, 2024	Elementary idea on biogeochemical cycles (viz., N, C, S, P).	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of June, 2024	Class Test on the full syllabus	
3 rd week of June, 2024	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Pankaj Dutta

2nd Semester

Course Name: Biological Environment

Course Code: BSCENVSCMN201

Assigned Syllabus: Unit- 1 Taxonomy

Assigned Classes: 1 Class /Week

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd week of April, 2024	Definition of taxonomy, systematic and classification	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
4 th Week of April, 2024	Morphological and taxonomical studies of flora and fauna.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of May, 2024	Class Test on the full syllabus	
3 rd and 4 th Week of May, 2024	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

*Practical Classes were conducted as per routine

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Raja Mukherjee

2nd Semester

Course Name: Biological Environment

Course Code: BSCENVSCMN201

Assigned Syllabus: Unit- 2

Assigned Classes: 1 Class/Week

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd week of April, 2024	Ultrastructure and functions of plasma membrane, cellular organelles, e.g., Mitochondria, Ribosome, Golgi body, Chloroplast, Endoplasmic reticulum, Nucleus	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
4 th Week of April, 2024	Chromosome & Cell divisions	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of May, 2024	Fundamentals of genetics: Mendel's Law of inheritance and gene interaction	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of May, 2024	Darwinism and Modern Synthetic Theory of evolution; Concept on speciation; Hardy Weinberg Equilibrium; Genetic drift.	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of June, 2024	Class Test on the full syllabus	
3 rd week of June, 2024	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

*Practical Classes were conducted as per routine

Banwarilal Bhalotia College, Asansol

Department of Environmental Science

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-24

Name of the teacher/Course instructor: Mr. Sayantan Dutta

4th Semester

Course Name: Environmental Pollution and Human Health

Course Code: BSCHENVGEC-401

Assigned Syllabus: All 5 units of the syllabus

Assigned Classes: 3 Classes /Week

Expected Time Span	Topics Covered	Teaching Method
2 nd and 3 rd week of April, 2024	Environmental Pollution, Air pollution (Air Pollutants, types and sources, air pollution episodes, Air pollution and effects on human health) and some diseases viz respiratory diseases, cardiovascular damage, irritation of the eyes, nose and throat	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
4 th Week of April, 2024	Water pollution: Sources of water pollutants, organic matter, organic micropollutants, microbial pollution, Agriculture and water pollution, Problems of pesticides and chemical fertilisers, Geogenic contamination of water, Sewage and waste water, Pharmaceuticals in waste water	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of May, 2024	Sanitation and drinking water – Quality of drinking water, waste water treatment, Implications on human health	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd and 4 th Week of May, 2024	Noise pollution – Noise categories, Noise effects, Control of noise pollution and regulation	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
1 st and 2 nd week of June, 2024	Land pollution – Characterisation and impact of MSW on public health, Emissions from waste dumping sites, leaching, biomagnification, Agriculture and land pollution	Chalk and Board (Names of reference books to be followed along with specific chapters were provided in advance)
3 rd week of June, 2024	Class Test on the full syllabus	
4 th week of June, 2024	Remedial /Tutorial Classes based on the performance of students	Discussion of special topics of interest along with interactive sessions

*Practical Classes were conducted as per routine

Banwarilal Bhalotia College, Asansol

Department of Economics

Curriculum/Teaching Plan for Odd Semester for the Academic Year 2023-24



Name of the Course Instructor: Shashi Kr Shaw

Course Name: [Introduction to Economic Theory-MJ 101](#)

Course Code: BSCECOMJ101

Assigned Classes: 4 Lectures and 1 Tutorial per Week

Here's a teaching plan for the course covering the period from 8th August 2023 onwards, with a hybrid mode of teaching incorporating Traditional teaching methods and using online tools such as Google Sites, Google Forms, and recorded lecture videos. In offline classes' hybrid method adopted.

Unit	Topics	Teaching Methods	Online Tools	Timeline
Unit 1	Group A: Microeconomic Theory Introduction to Economic Theory Economic and Non-Economic activities, Basic Economic Issues and Problems, Distinction between Microeconomics and Macroeconomics. Concept of Demand. Demand Law and Demand Curve. Exceptions to the law of Demand. Concept of Supply Curve. The market mechanism. Changes in market equilibrium. Elasticities of demand – price, income and cross elasticities – relation between price elasticity of demand, price and marginal revenue – relation between price elasticity and total expenditure. Concept of Equilibrium.	Offline Traditional Teaching- Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites, Google Forms	2 nd week of Aug to 2 nd week of September, 2023
Unit 2	Unit-2. Theory of Demand Utility: Concept and Measurement Issues. Cardinal and Ordinal Utility. The Marshallian Approach: Equilibrium of the consumer – Derivation of demand curve. Concept of consumer's surplus. Concept of Budget line, taxes and subsidy implication on Budget line, Preferences- strong, weak and Indifference. Indifference curve approach: indifference curve and its properties, The pathological cases, the equilibrium of the consumer – Price consumption curve and income consumption curve – Price effect – Income	Offline Traditional Teaching- Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites, Google Forms	3 rd week of September to 4 th week of September, 2023

	effect – Substitution effect – Slutsky’s equation – Derivation of demand curve. Giffen’s Paradox. Bandwagon effect – Snob effect – Veblen effect. Relationship between Compensated demand curve and ordinary demand curve.			
Unit	Topics	Teaching Methods	Online Tools	Timeline
Unit 3	<p>Unit -3. Theory of Production and Cost.</p> <p>Production function: the neo-classical production function – relation between total, average and marginal productivities – law of variable proportions – the fixed coefficient production function and variable coefficient production function. Iso- quant and Iso-cost line, definition and properties, economic region of production, marginal rate of technical substitution, elasticity of substitution, equilibrium of the producer - constrained output maximization and constrained cost minimization, expansion path, returns to scale. . Cost function: different concepts of costs, short run cost analysis and long run cost analysis – relation between the expansion path and cost function – total, average and marginal cost curves – long run cost curves as envelope of short run cost curves.</p>	<p>Offline Teaching-UsingChalk and board, Lecture, Problem Solving, Discussion</p>	<p>Google Sites, Google Forms</p>	<p>1st week of October to 2nd week of November, 2023</p> <p>(Includes holiday related to Durga Puja & Kali Puja)</p>
Unit 4	<p>Group B: Macroeconomic Theory</p> <p>Unit -4. Basic Macroeconomic Issues and Accounts</p> <ul style="list-style-type: none"> • Scope and nature of Macro Economics with emphasis on macroeconomic problems and policies – Targets & Instruments of macroeconomic policies. Closed economy and open economy. • Definition, Concepts and Measurement of GNP, NNP, GDP, NDP, NI, DI – The flow of product method and the flow of expenditure method; Concept of GNP deflator. • Interrelation between measures of National Income in the absence and presence of Governmental sector and International Transactions • The Accounting Identity of Saving and Investment • Scope of using National Income as a measure of Economic Welfare. 	<p>Offline Teaching-UsingChalk and board, Lecture, Problem Solving, Discussion</p>	<p>Google Sites, Google Forms</p>	<p>3rd week of November to 4th week of November, 2023</p>

Unit5	<p style="text-align: center;">Unit -5. The Classical System</p> <ul style="list-style-type: none"> • The Classical view of Macro Economics in respect of the determination of Employment, Output and Prices. • The classical quantity theory of money and its criticism; The Classical Theory of Rate of Interest - Loanable fund theory. • Say’s Law and Walras’ law - The Dichotomy between the real and monetary sectors- Neutrality of money. 	<p>Offline Traditional Teaching-UsingChalk and board, Lecture, Problem Solving, Discussion</p>	<p>Google Sites, Google Forms</p>	<p>4th week of November to 2nd Week of December, 2023</p>
Unit 6	<p style="text-align: center;">Unit -6 The Simple Keynesian Model of Income Determination</p> <ul style="list-style-type: none"> • Keynesian Consumption Function and its properties – Factors affecting Consumption Expenditure – Saving Function & its properties • Determination of National Income – nature of equilibrium – unemployment, full employment and inflation – stability of equilibrium • Comparative static analysis – the Multiplier analysis with and without government sector – Investment Multiplier, Government Expenditure Multiplier, Balanced Budget Multiplier; Limitations of the multiplier analysis. The Paradox of Thrift. 	<p>Offline Traditional Teaching-UsingChalk and board, Lecture, Problem Solving, Discussion</p>	<p>Google Sites, Google Forms</p>	<p>3rd Week of December 2023 to 2nd Week of January, 2023</p>

The teaching plan will include lecture sessions, problem-solving sessions, and group discussions. Lecture videos will also be made available online for students to access anytime. Google Sites will be used to post lecture notes, practice exercises, and additional resources, while Google Forms will be used for conducting assessments and getting feedback from students. After the completion of each unit, students have to submit assignment as informed during the course

Banwarilal Bhalotia College, Asansol

Department of Economics

Curriculum/Teaching Plan for Odd Semester for the Academic Year 2023-24



Name of the Course Instructor: [Shashi Kr Shaw](#)

Course Name [Core-12 International Economics](#)

Course Code: BSCHCO502

Assigned Classes : 5 Lectures and 1 Tutorial per Week

Here's a teaching plan for the course covering the period from 10th August 2023 onwards, with a hybrid mode of teaching incorporating Traditional teaching methods and using online tools such as Google Sites, Google Forms, and recorded lecture videos. In offline classes' hybrid method adopted.

Unit	Topics	Teaching Methods	Online Tools	Timeline
Unit 1	Basis and Gain from Trade	Offline Traditional Teaching- Using Chalk and board, Lecture	Google Sites for sharing study materials, lecture notes.	2nd week of August, 2023
Unit 2	Adam Smith - Absolute Cost Advantage, The Ricardian Theory, the H-O Model, Factor Abundance, Comparative advantage comparison.	Offline Traditional Teaching- Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites used for sharing study materials, lecture notes, and recorded videos for revision with notes.	2nd week of August to 4 th week of August, 2023

Unit	Topics	Teaching Methods	Online Tools	Timeline
Unit 2	Factor Price Equalization, Stolper-Samuelson Theorem, Leontief Paradox, Rybczynski Theorem, Demand Reversal, Offer Curve	Offline Traditional Teaching- Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites for sharing study materials, lecture notes	1st week of September to 3 rd week of September, 2023
Unit 3	Unit -3. Trade Intervention Theory - Offer Curve, Metzler Paradox, Tariff and income distribution – tariffs terms of trade and domestic prices, tariffs and national income, the optimum tariff, Tariff - Small and Large Country case- Various effects of tariffs – quotas and quantitative trade restrictions -effects of quotas and quantitative trade restrictions and balance of payments- trading state, the infant industry argument. Problems of international reserves and liquidity and of development finance.	Offline Traditional Teaching- Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites used for sharing study materials, lecture notes, and recorded videos for revision with notes.	4 th week of September, 2023 to 2 nd Week of November 2023 (Includes holiday related to Durga Puja & Kali Puja- 2 nd & 3 rd week Oct, 1 st week Nov)
Unit 4	Balance of Payments and Problems of Adjustment - The mechanism of adjustment under fixed exch. Rates – automatic adjustment under Gold Standard- expenditure reducing policies and Expenditure switching policies – devaluation, the elasticity approach (Marshall Lerner Condition) and absorption approaches – direct controls- mechanism of adjustment under flexible exchange rate and uncertainty, speculation and the stability of exchange rate and inflation- costs and benefits of flexible exchange rates.	Offline Traditional Teaching- Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites for sharing study materials, lecture notes.	3 rd week of November, to 2 nd Week of of December 2023

Note: The timeline for each unit is flexible and can be adjusted based on the pace of learning and progress of the class. After the completion of each unit, students have to submit an assignment for internal evaluation. The internal exam can be scheduled after completing the first two units, and the question paper from previous years can be used for practice and revision.

Banwarilal Bhalotia College, Asansol
Department of Economics
Curriculum/Teaching Plan for Odd Semester for the Academic Year 2023-24



Name of the Course Instructor: Shashi Kr Shaw

Course Name: **Core 6 - Macroeconomic Theory – II (2020-2023 Batch, 3rd Semester)**

Course Code: **BSCHECOC302**

Assigned Classes: **5 Lectures and 1 Tutorial per Week**

Here's a teaching plan for the course covering the period from 1st Week of September, 2023 onwards, with a hybrid mode of teaching incorporating Traditional teaching methods and using online tools such as Google Sites, Google Forms, and recorded lecture videos. In offline classes' hybrid method adopted.

Unit	Topics	Topics	Online Tools	Timeline
1	Consumption Function	Keynes Consumption Function- Empirical findings regarding Consumption Function – Alternative Theories regarding its behaviour – Keynes, Smithies, Duesenberry, Friedman, Ando-Modigliani.	Offline Traditional Teaching- Using Chalk and board,Lecture, Problem Solving, Discussion	1 st week of September to 4 th week of September, 2023
2	Money Market	Three motives of holding money – Transaction, Precautionary and Speculative demand for money. Keynesian liquidity preference theory – indeterminacy of rate of interest in the liquidity preference theory – the liquidity trap- - Baumol's Inventory Approach to Transaction Demand for Money- Tobin Portfolio approach to Money demand Supply of money – credit creation by commercial banks – money multiplier – interest sensitivity of money supply	Offline Traditional Teaching- Using Chalk and board,Lecture, Problem Solving, Discussion	1 st week of October to 2 nd week of November, 2023 (Includes holiday related to Durga Puja & Kali Puja)

Unit	Topics	Topics	Online Tools	Timeline
3	Theories of Inflation	<p>The Quantity Theory approach to Inflation. • Demand Pull Inflation and Inflationary Gap analysis; Its shortcomings --- Concepts of Cost Push & Mark Up inflation--- Consequences of inflation – Measures to control Inflation.</p> <p>The Philips Curve and the trade-off between Inflation and Unemployment – short-run and long-run Philips Curve.</p>	<p>Google Sites for sharing study materials which includes lecture notes, recorded videos , and after unit completion Assignment submission in Google Form</p>	<p>3rd week of November to 4th week of November, 2023</p>
4	The Investment Function	<p>The Keynesian analysis of Investment – The Marginal Efficiency of Investment, and its relation with the amount of Investment – Shortcomings of Keynesian analysis</p> <ul style="list-style-type: none"> • Net Present Value criterion and Marginal Efficiency criterion of Investment • The Fixed Accelerator Principle of Investment – its Implications and Limitations. • The Flexible Accelerator Principle of Investment – its Implications and Limitations, (Multiplier accelerator theory 	<p>Google Sites, Google Form, after unit completion Assignment submission in Google Form.</p>	<p>1st week of December to 3rd week of December, 2023</p>

For each unit, the teaching methods will be a combination of traditional methods like lectures and discussions, as well as online tools like, Google Forms, and YouTube videos. The timeline for each unit will be around 2-4 weeks, with breaks in between for exams and holidays. In addition to the regular teaching methods, there will be a class task for Unit 2, which will involve students submitting their understanding of the inventory theoretic approach to transaction demand for money, using a Google Forms submission link. Assessment for the course will includes subjective/MCQ exams and assignment on all of the topics covered in the course. Overall, the course aims to provide students with a comprehensive understanding of macroeconomic theories and their application in real-world scenarios, using a mix of traditional and online teaching methods to facilitate learning.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF ECONOMICS

Curriculum/Teaching Plan For Odd Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Ms. Mousumi Bakshi

1st Semester (Minor)

Course Name: Introduction to Economic Theory

Course Code: BSCECOMN101

Assigned Syllabus: Group-A (Microeconomic Theory)

Assigned Classes: 4 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of August to 5 th week of August 2023	Unit -1. Introduction to Economic Theory Economic and Non-Economic activities, Basic Economic Issues and Problems, Distinction between Microeconomics and Macroeconomics, Concept of Equilibrium. Concept of Demand. Demand Law and Demand Curve. Exceptions to the law of Demand. Concept of Supply Curve. The market mechanism. Changes in market equilibrium.	Chalk & Board/notes
1 st week of Sept. to 4 th week of Sept 2023	Elasticities of demand – price, income and cross elasticities – relation between price elasticity of demand, price and marginal revenue – relation between price elasticity and total expenditure.	Chalk & Board/ Pdf notes
5 th week of Sept to 2 nd week of Oct 2023	Unit-2. Theory of Demand	Chalk & Board/ppt/Pdf notes

	<p>Utility: Concept and Measurement Issues. Cardinal and Ordinal Utility.</p> <p>The Marshallian Approach: Equilibrium of the consumer – Derivation of demand curve. Concept of consumer’s surplus.</p> <p>Indifference curve approach: indifference curve and its properties, The pathological cases, the equilibrium of the consumer – Price consumption curve and income consumption curve – Price effect – Income effect – Substitution effect – Slutsky’s equation – Derivation of demand curve.</p>	Problem solving discussion
3rd week of Oct to 4th week of Nov. 2023	<p>Giffen’s Paradox. Bandwagon effect – Snob effect – Veblen effect.</p> <p>Relationship between Compensated demand curve and ordinary demand curve.</p>	Chalk & board/ PPT/ Pdf notes
5th week of Nov to 3rd week of Dec. 2023	<p>Unit -3. Theory of Production and Cost.</p> <ul style="list-style-type: none"> • Production function: the neo-classical production function – relation between total, average and marginal productivities – law of variable proportions – the fixed coefficient production function and variable coefficient production function. 	Chalk & board/ PPT/ Pdf notes
4th week of Dec. 2023 to 2nd week of Jan 2024	<ul style="list-style-type: none"> • Iso-quant and Iso-cost line, definition and properties, economic region of production, marginal rate of technical substitution, elasticity of substitution, equilibrium of the producer - constrained output maximization and constrained cost minimization, expansion path, returns to scale. 	Chalk & board/ PPT/ Pdf notes

3rd week of Jan to 3rd week of Feb 2024

- Cost function: different concepts of costs, short run cost analysis and long run cost analysis – relation between the expansion path and cost function – total, average and marginal cost curves – long run cost curves as envelope of short run cost curves.

Chalk & board/ PPT/ Pdf notes

Assignment / Class test

Pen – Paper Mode

Curriculum/Teaching Plan For Odd Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Ms. Mousumi Bakshi

3rd Semester(Hons.)

Course Name: Development Economics

Course Code: BSCHECOC303

Assigned Syllabus: All Units

Assigned Classes: 3 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of Sept to 5 th week of Sept 2023	Unit -1. Concept of Economic Development Meaning of Development, different concepts of development –Sustainable development, Participatory development, Inclusive development, Human development, Growth and Development – Broad Indicators of Economic Development – Per capita Income – PQLI– Basic needs approach – Human Development Index – Gender Development Index –Gender Empowerment Measure - Human Poverty Index- Global Hunger Index.	Chalk & Board/Pdf notes. Problem solving discussion
1 st week of Oct to 1 st week of Nov 2023	Unit-2. Underdevelopment • Characteristics of underdevelopment – Obstacles to underdevelopment • Trap Models – Critical minimum effort thesis – Low level equilibrium trap – Process of cumulative causation	Chalk & Board/pdf notes Problem solving discussion
2 nd week of Nov to 5 th week of Dec 2023	Unit -3. Theories of Economic Growth • Rostow’s Stage Theory – Vicious circle of poverty and Balanced growth (Nurkse) – Unbalanced growth (Hirschman)	Chalk & Board/pdf notes Problem solving discussion
1 st week of Dec to 4 th week of Dec 2023	Unit -4. Labour Surplus Economy and Development Strategy • Concept of surplus labour – Surplus labour as potential saving – Economic development	Chalk & Board/Pdf notes

with unlimited supplies of labour (Lewis Model).
• Capital intensive Vs Labour intensive technique – Choice of technique in a labour surplus economy.

Class test on full syllabus

Problem solving discussion

Pen paper mode

Curriculum/Teaching Plan For Odd Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor : Ms. Mousumi Bakshi

3rd Semester (Generic)

Course Name: Introductory Macroeconomics

Course Code: BSCHECOGE301

Assigned Syllabus: All Units

Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week Sept to 4 th of Sept 2023	Unit -1. Introduction Scope and nature of Macro Economics with emphasis on macroeconomic problems and Policies – Targets & Instruments of macroeconomic policy etc.	Chalk & Board/pdf notes Problem solving discussion
5 th week of Sept. to 2 nd week of Nov 2023	Unit-2. National Income Accounting • Circular flow of income – two sector model – Definition of national income - Concepts and Measurement of GNP, NNP, GDP, NDP • Method of calculating national income- product method, income method and expenditure method.	Chalk & Board/pdf notes
3 rd week of Nov to 1 st week of Dec 2023	Unit -3 The Simple Keynesian Model • Aggregate demand, aggregate supply – Keynesian Consumption Function and its properties – Factors affecting Consumption Expenditure– MPC, APC – Saving function – income and output determination in two sector model–the multiplier.	Chalk & Board/pdf notes Problem solving discussion

2nd week of Dec to 4th week of Dec 2023

Unit -4. The Classical System

Chalk & Board/pdf notes

Classical theory of employment – full employment – equilibrium in classical system – Say’s law of market - criticism of classical model.

Class test

Pen – Paper mode

Curriculum/Teaching Plan For Odd Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Ms. Mousumi Bakshi

3rd Semester (Programme)

Course Name: Microeconomic Theory-II

Course Code: BSCPECOC301

Assigned Syllabus: All Units

Assigned Classes: 3 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of Sept to 4 th week of Sept 2023	Unit - 1. Market Morphology Concept of market. Market-Different Types. Perfect competition: Features, Short run and long run equilibrium.	Chalk & Board/pdf notes
5 th week of Sept to 1 st week of Nov 2023	Monopoly: Characteristics, Short run and long run equilibrium under monopoly. Price Discrimination in monopoly. Monopolistic competition, Oligopoly. (Concept and features only)	Chalk & Board/notes
2 nd week of Nov to 4 th week of Nov 2023	Unit-2. Theory of factor pricing. Marginal Productivity Theory of Distribution-Factor Price Determination. Rent: Ricardian Theory	Chalk & Board/notes
5 th week of Nov to 4 th week of Dec 2023	Wage: Distinction between Money Wage and Real Wage-Factors Determining Real Wage-Role of Trade Unions in Wage Determination under competitive set up. Interest: Real and Money Interest – Loanable fund and liquidity preference theory of	Chalk & Board/notes

interest.

Profit: Alternative theories of profit – Schumpeter, Knight, Hawley

Class test

Pen paper mode

Curriculum/Teaching Plan For Odd Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Ms. Mousumi Bakshi

5th Semester (Hons.)

Course Name: Money & Financial Market of India

Course Code: BSCHECODSE503

Assigned Syllabus: All Units

Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of Aug to 4 th week of Aug 2023	Unit -1 Money Concept, functions, measurements, theories of money supply determination	Chalk & Board/pdf notes
5 th week of Aug to 1 st week of Oct 2023	Unit-2 Financial Institutions, markets, Instruments and financial innovations Role of financial markets and institutions, problem of asymmetric information – adverse selection and moral hazard; financial crisis Money and capital markets; organization, structure and reforms in India; role of financial derivatives and other innovations	Chalk & Board/pdf notes
2 nd week Oct to 2 nd week of Nov 2023	Unit -3. Banking system Indian banking system; changing role and structure; banking sector reforms	Chalk & Board/notes
3 rd week of Nov to 1 st week of Dec 2023	Unit -4. Central Bank and Monetary policy RBI and its functions, instruments of monetary	Chalk & Board/notes

control, current monetary
policy of India

Class test

Pen paper mode

Curriculum/Teaching Plan For Odd Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Ms. Mousumi Bakshi

5th Semester(Programme)

Course Name: Banking Sector

Course Code: BSCPECODSE501

Assigned Syllabus: All Units

Assigned Classes: 2 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of Aug to 5 th week of Aug 2023	Unit - 1. Banking Definition and Functions of Commercial Banks, Credit Creation by Commercial Banks. Role of commercial banks in economic development.	Chalk & Board/Pdf notes. Problem solving discussion
1 st week of Sept to 4 th week of Sept 2023	Functions of Central Banks, Credit control methods of central bank. Limitations of different credit control methods.	Chalk & Board/pdf notes Problem solving discussion
5 th week of Sept to 3 rd week of Oct 2023	Unit-2. Non-bank Financial Intermediaries in India (NBFIs) Definition of NBFIs, Distinction between Commercial Banks and NBFIs. Role of NBFIs in economic development of India.	Chalk & Board/pdf notes Problem solving discussion
1 st week of Nov to 1 st week of Dec 2023	Different NBFIs working in India. Class test on full syllabus	Chalk & Board/Pdf notes Problem solving discussion Pen paper mode

Name of the Course Instructor: Amrita pal

Here's a teaching plan for the course covering the period from August 2023 to January 2024

5th semester Public Finance (core)

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Unit -1 Introduction to Public Finance			
	Definition and scope of public finance Types of fiscal functions – allocation function, distribution function and stabilization function – fiscal functions in a developing economy	Offline and online	PDF , Google sites, Powerpoint	2 nd week of August
	Concept of Public goods and private goods – characteristics of public goods Externality – Types of externality-positive and negative externality – Market failure	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of August
2	Principles of Taxation			
	Ability and benefit approaches – cannons of taxation – direct and indirect tax -income versus expenditure tax – Proportional, progressive and regressive taxation -impact, shifting and incidence of taxes-effects of taxation.	Offline and online	PDF , Google sites, Powerpoint	1 st , 2 nd and 3 rd weeks of September
3	Public Debt			
	Definition – internal and external public debt – burden of public debt	Offline and online	PDF , Google sites, Powerpoint	1 st week of October, 1 st week of November
4	Indian Public Finances			
	Fiscal federalism in India – Center-State Financial relations	Offline and online	PDF , Google sites, Powerpoint	3 rd week and 4 th Week of November

5th Semester , Environmental economics (DSE)

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Introduction			
	Concept of Environment: Atmosphere, biosphere and geosphere, Environment – economy interlink age, Material balance model.	Offline and online	PDF , Google sites, Powerpoint	2 nd and 3 rd week of August
2	Externality and property right issues			
	Market failure and externality, concept of property right, public property, private property and common property resources, the Coase theorem	Offline and online	PDF , Google sites, Powerpoint	4 th week of August, 1 st and 2 nd week of September
3	The design and implementation of environmental policy:			
	Pigouvian taxes and effluent fees, tradable pollution permit, basic idea of cost benefit analysis	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of September
4	Resources and pricing:			
	Distinction between exhaustible and renewable resources, concept of user cost and optimal depletion rules	Offline and online	PDF , Google sites, Powerpoint	1 st week of October and 1 st week of November
5	International environmental problem			
	Trans-boundary environmental problem and climate change issues, basic aspects of Kyoto protocol, Trade and environment.	Offline and online	PDF , Google sites, Powerpoint	2 nd , 3 rd and 4 th week of November
6	Sustainable development			
	Basic concept, measures and policies of sustainable development.	Offline and online	PDF , Google sites, Powerpoint	1 st and 2 nd week of December

3rd semester, Statistics 1

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Tabular and Diagrammatic Presentation of Data			
	Meaning of statistics. Statistical Data – classification and presentation – methods of collection of data – difference between variable and attributes – frequency distribution and its diagrammatic presentation – choice of class interval – diagrammatic representation of frequency distribution – frequency curve – cumulative frequency distribution (more than and less than) Ogive -(simple numerical exercise).	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of August, 1 st week of September
2	Measures of Central Tendency			
	Arithmetic mean, median and mode (for both grouped and ungrouped data) – comparison of mean, median and mode – geometric mean and harmonic mean (for both grouped and ungrouped data) – composite mean (average from combined data) – properties for all these measures-(simple numerical exercise).	Offline and online	PDF , Google sites, Powerpoint	1 st week of October, 1 st week of November
3	Measures of Dispersion			
	Absolute measures – Range, mean deviation and Standard deviation and Quartile Deviation – Relative measures – curve of concentration -(simple numerical exercise) Measurement of economic inequality: nature of distribution of income and wealth graduating from income distribution – Lorenz Curve	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of November

	representation of income distribution – Gini Coefficient and Lorenz Curve-(simple numerical exercise)			
	Moments and measures of skewness and Kurtosis: moments, skewness and kurtosis – definition – relationship between central and non-central moment – Sheppard’s correction (simple numerical exercise).	Offline and online	PDF , Google sites, Powerpoint	1 st and 2 nd week of December
4	Correlation and Regression Analysis: Bivariate, Multiple and Partial			
	Scatter diagram – simple correlation coefficient and its properties, its calculation from grouped and ungrouped data, limitations of correlation coefficient. Simple regression analysis – properties of regression line – relationship between correlation coefficient and regression coefficient. Spearman’s rank correlation coefficient (without tie) – Kendall’s rank correlation coefficient-(simple numerical exercise).	Offline and online	PDF , Google sites, Powerpoint	3 rd week of December, 1 st and 2 nd week of January
5	Index Numbers			
	Purpose and uses of index number, problems of construction, different formulae for price and quantity index numbers, tests for index numbers, chain index, and cost of living index-(simple numerical exercise)	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of January

1st semester MD Economics money and banking

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Money.			
	Evolution of Money, Concept, functions and types of Money. Measures of Money Supply (M1, M2, M3 etc).	Offline and online	PDF , Google sites, Powerpoint	2 nd and 3 rd week of August
2	Banking			
	Commercial Bank: Definition and functions of Commercial Banks. Credit creation by Commercial banks. Major Developments in Commercial banking in India since independence. Performance of Commercial banks in India. Central Bank: Functions of Central Bank. Quantitative and Qualitative Credit Control Methods. Functions of Reserve Bank of India.	Offline and online	PDF , Google sites, Powerpoint	4 th week of August, 1 st , 2 nd and 3 rd week of September
3	Banking Sector Reforms in India.	Offline and online	PDF , Google sites, Powerpoint	4 th week of September, 1 st week of October
	Banking Sector Reforms in India since 1991	Offline and online	PDF , Google sites, Powerpoint	2 nd week of October to 4 th week of October

Note: The timeline for each unit is flexible and can be adjusted based on the pace of learning and progress of the class. After the completion of each unit, students have to

submit an assignment for internal evaluation. The internal exam can be scheduled after completing the first two units, and the question paper from previous years can be used

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF ECONOMICS

Curriculum/Teaching Plan for Odd Semester of the Academic Year 2023-2024



Name of the Instructor:	Dr. Parnasudha Karmodak
Course Name	Classical Political Economy (DSE) Semester V (Honours)
Course Code	BSCHECODSE501
Assigned Classes	Six per week

Units	Topic	Teaching Methods	Timelines	Outcomes
Unit1: Classical Background	1.Chief features of classical system 2.Adam Smith Labour Theory of Value 3.The Ricardian one-sector model 4.Classical political economy and Marx	Chalk & Board/Pdf notes Laptop	2nd week of Aug to 4th week of Aug 2023	To gain insight regarding the development of economic thoughts starting from English classical school.
Unit 2: Stages of Development	1.Marxian theory of stages of growth 2. Rostow's theory of stages of growth.	Chalk & Board/Pdf notes Laptop	5th week of Aug to 1st week of Oct 2023	To understand the stage theories of Rostow and Marx
Unit 3: Marx's Theory of Value	1.Qualitative and quantitative aspects of value, commodity fetishism. 2. constant and variable		2nd week Oct to 2nd week of Nov 2023	

	Capital. 3. circuits of capital. 4. surplus value, 5.Organic composition of capital.	Chalk & Board/Pdf notes Laptop		
Unit 4: The Reproduction Schemes & Accumulation of Capital	1. Industrial reserve Army. 2. Industrial reserve Army.	Chalk & Board/Pdf notes Laptop	3rd week of Nov 2023	To understand the workings of capitalist economy in Marxian view
Unit 5: Origin of Surplus Value and Profits	1.Origin of Surplus Value and Profits. 2. Theories of Crisis: Under consumption 3. Realization crisis. 4.Disproportionality crisis.	Chalk & Board/Pdf notes Laptop	4 th week of Nov to 1st week of Dec 2023	

Banwarilal Bhalotia College, Asansol
Department of Economics
Curriculum/Teaching Plan for Even Semester for the Academic Year 2023-24



Name of the Course Instructor: Shashi Kr Shaw
Course Name: **C-10: Mathematical Economics-II-2022 batch 4th Semester**

Course Code: BSCHECOC403

Assigned Classes: 5 Lectures and 1 Tutorial per Week

Here's a teaching plan for the course covering the period from 22nd February 2024 onwards, with a hybrid mode of teaching incorporating Traditional teaching methods and using online tools such as Google Sites, Google Forms, and recorded lecture videos. In offline classes' hybrid method adopted.

Unit	Topics	Teaching Methods	Online Tools	Timeline
Unit 1	Determinants and Matrices: Concepts of Scalar, Vector and Matrices; Some specific Matrices: Diagonal, Triangular, Identity, Null, Symmetric, Idempotent; Matrix operations; Addition, Subtraction and Multiplication of Matrices; Transpose and Inverse of Matrices; Determinants; Minor and Cofactor; Properties of Determinants; Bordered Hessian Determinant; Technique of solving Simultaneous Equations by Cramer's Rule.	Offline Traditional Teaching-Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites, Google Forms	4 th week of Feb to 2 nd week of March, 2024
Unit 2	Input – Output Analysis: Basic Concept of Input-Output Analysis; Assumptions and structure of the Leontief Static Open Model (2 × 2 Case); Solution in such a Model; Hawkins – Simon condition and its Economic Interpretation; Price System in LSOM (2×2 Case) with Economic Implications.	Offline Traditional Teaching-Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites, Google Forms	2 nd week of March to 4 th week of March, 2024

Unit	Topics	Teaching Methods	Online Tools	Timeline
Unit 3	Linear Programming: Linear Programming Technique as a Tool of optimization; General Formulation of the LP Problem; Applications in Economics; Graphical solution of some standard problems (Maximization and Minimization); Concepts of Slack Variable, Basic Feasible Solution; Solution of some simple problems by Simplex Method (Maximization case only); The Dual problem; Economic Interpretation of Duality.	Offline Traditional Teaching-Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites, Google Forms	1 st week of April to 1 st week of June, 2024
Unit 4	Basic Game Theory: Basic Concepts and Assumptions of Game Theory; Two Person – Zero – Sum Game with and without Saddle Point; Concept of Dominance; Elements of Non – Zero – Sum Game; Prisoner’s Dilemma; Concept of Dominant Strategy equilibrium and Nash Equilibrium; Sub-game Perfect Nash Equilibrium; Applications.	Offline Traditional Teaching-Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites, Google Forms	2 nd week of June to 1 st week of July, 2024

The teaching plan will include lecture sessions, problem-solving sessions, and group discussions. Lecture videos will also be made available online for students to access anytime. Google Sites will be used to post lecture notes, practice exercises, and additional resources, while Google Forms will be used for conducting assessments and getting feedback from students. After the completion of each unit, students have to submit assignment as informed during the course.

Banwarilal Bhalotia College, Asansol
Department of Economics
Curriculum/Teaching Plan for Even Semester for the Academic Year 2023-24



Name of the Course Instructor: Shashi Kr Shaw
Course Name: **DSE-3: Economic Growth, 2024 (2021 batch, 6th Semester)**

Course Code: BSCHECODSE601

Assigned Classes: 5 Lectures and 1 Tutorial per Week

Here's a teaching plan for the course covering the period from 10th February 2024 onwards, with a hybrid mode of teaching incorporating Traditional teaching methods and using online tools such as Google Sites, Google Forms, and recorded lecture videos. In offline classes' hybrid method adopted.

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Harrod Model of Growth – Domar Model of Growth – The Harrod – Domar model – assumptions – implications – actual, warranted and natural rate of growth – knife edge instability problem and its economic implication – causes behind it – properties of warranted rate of growth - Comparison of Harrod and Domar Growth Models	Offline Traditional Teaching- Using Chalk and board, Lectures and Discussion	Google Sites for sharing study materials which includes lecture notes, recorded videos , and after unit completion Assignment submission in Google Form.	2nd week of Feb to 3 rd week of Feb , 2024
2	Solow Model – Absolute and Conditional Convergence – Steady State – Golden Rule of Capital Accumulation – Transition of the Golden Rule Steady State. - Constant Population growth and its impact on Steady State, Growth Accounting and Solow Residual , Introducing Constant Technological Progress in the Solow Model , Measuring Growth of Endogenous variables at Steady State.	Offline Traditional Teaching- Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites for sharing study materials which includes lecture notes, recorded videos , and after unit completion Assignment submission in Google Form.	4 th week of Feb to 3 rd week of April, 2024

Unit	Topics	Teaching Methods	Online Tools	Timeline
3	Introduction to Endogenous Growth Theory, Basic AK Model	Offline Traditional Teaching- Using Chalk and board, Lecture, Discussion	Google sites for sharing material and recorded video	4 th week April , 2024
4	Trade as an engine of growth – Terms of trade and economic development (Prebisch – Singer Thesis) – Imports substitution Vs export promotion.	Offline Traditional Teaching- Using Chalk and board, Lecture, Discussion	Google sites for sharing material and recorded video, ppt, pdf.	4 th week of April to 4 th week of May, 2024

For each unit, the teaching methods will include lectures and discussions, with traditional teaching methods as the main tools. The online materials for all units and recorded videos will be provided after each lectures. Additionally, class tasks and internal exams will be conducted using Google Forms. Throughout the course, a hybrid mode of teaching will be implemented, combining both in-person and online learning experiences. Students will attend classes in person, while also having access to recorded lectures and online resources to support their learning outside of the classroom.

Banwarilal Bhalotia College, Asansol
Department of Economics
Curriculum/Teaching Plan for Even Semester for the Academic Year 2023-24



Name of the Course Instructor: Shashi Kr Shaw

1. Course Name: **Core 13 - Basic Econometrics (2021 batch, 6th Semester)**

Course Code: **BSCHECOC 601**

Assigned Classes: **5 Lectures and 1 Tutorial per Week**

Here's a teaching plan for the course starting from 2nd week of February 2024 onwards, with a hybrid mode of teaching incorporating Traditional teaching methods and using online tools such as Google Sites, Google Forms, and recorded lecture videos. In offline classes' hybrid method adopted.

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Unit -1 Introduction Concept - Types – theoretical and applied econometrics- importance and role of Econometrics in economics- Classical Methodology of Econometrics.	Offline Traditional Teaching- Using Chalk and board, Lecture, Discussion	Google Sites for sharing study materials which includes lecture notes and after unit completion Assignment submission in Google Form.	2 nd week of Feb to 3 rd week of Feb, 2024
2	Unit-2 The Classical Linear Regression Model (Two variable case) The Classical Ordinary Least Square Method (CLSM) – Assumptions – estimation of parameters in two variable case – Properties of least-square estimators – testing of regression coefficients – BLUE – Goodness of Fit - the Coefficient of determination R ² – Numerical Problems.	Offline Traditional Teaching- Using Chalk and board, Lecture, Problem Solving, Discussion	Google Sites for sharing study materials which includes lecture notes, and after unit completion Assignment submission in Google Form.	4 th week of Feb to 2 nd week of April, 2024

Unit	Topic	Teaching Methods	Online Tools	Timeline
3	Unit -3. The Classical Linear Regression Model (Three variable case) The Classical Ordinary Least Square Method (CLSM) – estimation of parameters with Two independent variables	Offline Traditional Teaching- UsingChalk and board,Lecture, Problem Solving, Discussion	Google sites for sharing material and class tasks	3 rd week Of April, 2024
4	Unit -4. Violations of Classical Assumptions Definition, Detection, Consequences, Remedies of Multicollinearity, Heteroscedasticity, Autocorrelation	Offline Traditional Teaching- UsingChalk and board,Lecture, Problem Solving, Discussion	Google sites for sharingmaterial in the form of ppt, pdf.	4 th weekof April to 4 th week of May, 2024

For each unit, the teaching methods will include lectures and discussions, with traditional teaching methods as the main tools. The online materials for all units and recorded videos will be provided after each lectures. Additionally, class tasks and internal exams will be conducted using Google Forms. Throughout the course, a hybrid mode of teaching will be implemented, combining both in-person and online learning experiences. Students will attend classes in person, while also having access to recorded lectures and online resources to support their learning outside of the classroom.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF ECONOMICS

Curriculum/Teaching Plan For Even Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Ms. Mousumi Bakshi

4th Semester(Hons.)

Course Name: Indian Economics - 1

Course Code: BSCHECOC402

Assigned Syllabus: All Units

Assigned Classes: 4 classes per week

Expected Time Span	Topics Covered	Teaching Method
4 th week of Feb to 2 nd week of March 2024	Unit -1. Structural Changes in Indian Economy Trends in national income, per capita income - Changes in occupational pattern- Sectoral distribution of national income during the post-independence period	Chalk & Board/ppt
3 rd week of March to 2 nd week of April 2024	Unit-2. Agricultural Sector <ul style="list-style-type: none">• Land reforms• Farm size and Productivity• Green revolution-causes and impacts.• Agricultural marketing, concepts of food security and public distribution system in India.	Chalk & Board/ Pdf notes
3 rd week of April to 2 nd week of May 2024	Unit -3. Industrial Sector Industrial policy resolution (1948, 1956) - licensing policy; New industrial policy, 1991; the	Chalk & Board/ppt/Pdf notes Problem solving discussion

	EXIT policy; present problems of SSIs and large scale industries in India and its remedies.	
3rd week of May to 1st week of June 2024	Unit -4. Population Trend of Population Growth in India in recent years-Problems associated with population growth-National population policy - Demographic dividend	Chalk & board/ PPT/ Pdf notes
2nd week of June to 3rd week of June 2024	Unit -5. Poverty and Unemployment Poverty-Concept and measurement issues Nature and types of unemployment in India - Problem of measurement of unemployment Unorganized labour market- Participation of female and child labour	Pdf notes Discussion
4th week of June to 1st week of July 2024	Unit -6. The Parallel Economy in India Concept of black money – estimates – Sources – impacts – measures to tackle black money Class test	Problem solving discussion Pdf notes Pen paper mode

Curriculum/Teaching Plan For Even Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor: Ms. Mousumi Bakshi

4th Semester(Generic)

Course Name: Development Economics

Course Code: BSCHECOGE402

Assigned Syllabus: All Units

Assigned Classes: 4 classes per week

Expected Time Span	Topics Covered	Teaching Method
4 th week of Feb to 3 rd week of March 2024	Unit -1. Concept of Economic Development Meaning of Development, different concepts of development –Sustainable development, Participatory development, Inclusive development, Human development, Growth and Development – Broad Indicators of Economic Development – Per capita Income – PQLI– Basic needs approach – Human Development Index – Gender Development Index –Gender Empowerment Measure - Human Poverty Index.	Chalk & Board/Pdf notes. Problem solving discussion
4 th week of March to 2 nd week of April 2024	Unit-2. Underdevelopment Characteristics of underdevelopment – Obstacles to underdevelopment	Chalk & Board/pdf notes Problem solving discussion
3 rd week of April to 4 th week of May 2024	Unit -3. Theories of Economic Growth • Rostow’s Stage Theory – Vicious circle of poverty and Balanced growth (Nurkse) – Unbalanced growth (Hirschman)	Chalk & Board/pdf notes Problem solving discussion
5 th week of May to 4 th week of June 2024	Unit -4 Labour Surplus Economy and Development Strategy Concept of surplus labour – Surplus labour as potential saving – Economic development with unlimited supplies of labour (Lewis Model).	Chalk & Board/Pdf notes

		Problem solving discussion
1 st week of July 2024	Class test on full syllabus	Pen paper mode Problem solving discussion

Curriculum/Teaching Plan For Even Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor : Ms. Mousumi Bakshi

4th Semester(Programe)

Course Name: Indian Economics

Course Code: BSCPECOC401

Assigned Syllabus: All Units

Assigned Classes: 4 classes per week

Expected Time Span	Topics Covered	Teaching Method
4 th week of Feb to 3 rd week of March 2024	Unit - 1. Indian Economy –An Overview The structure of Indian Economy – its sectoral composition, rural-urban dimension –Trends of India’s per capita income – Demography-the trends and pattern of population growth – age distribution &Demographic dividend. Objectives, achievements and failures of India's Five-year Plans (broad outline). Niti Aayog: Objectives and functions.	Chalk & Board/pdf notes Problem solving discussion
4 th week of March to 3 rd week of April 2024	Unit-2. Indian Agriculture	Chalk & Board/pdf notes

	<p>Characteristics of Indian Agriculture: Causes of Low Productivity- Land Reforms- New technology and Green Revolution and its effects. Effects of Economic Reforms on Indian Agriculture.</p>	
<p>4th week of April to 3rd week of May 2024</p>	<p>Unit-3. Indian Industry Structure of Indian industry - Role of Cottage, Small-scale and Large scale Industries in India's development. Problems and strategies of industrial development.</p>	<p>Chalk & Board/pdf notes</p> <p>Problem solving discussion</p>
<p>4th week of May to 1st week of July 2024</p>	<p>Unit-4. Indian Public Finance Central and state budgets – revenue account and capital account -Sources of Revenue of Union</p> <p>and State Governments – direct and indirect tax – major heads of expenditures – plan vs. non-plan expenditures- Union-State Financial Relation – Role of Finance Commission of India.</p> <p>Class test</p>	<p>Chalk & Board/pdf notes</p> <p>Problem solving discussion</p> <p>Pen paper mode</p>

Curriculum/Teaching Plan For Even Semester Of The Academic Year 2023-2024



Name Of The Teacher/Course Instructor : Ms. Mousumi Bakshi

6th Semester (Programe)

Course Name: Public Finance

Course Code: BSCPECODSE602

Assigned Syllabus: All Units

Assigned Classes: 3 classes per week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of Feb to 2 nd week of March 2024	Unit -1. Introduction The nature, scope and significance of public finance – Concept of Public goods and private goods – characteristics of private goods and public goods. Externality – Types of externality-positive and negative externality (concept only).	Chalk & Board/pdf notes
3 rd week of March to 3 rd week of April 2024	Unit-2. Principles of Taxation Concept of Tax. Direct tax and Indirect tax. Cannons of Taxation. Ability and Benefit approaches of taxation. Income versus expenditure tax – Proportional, progressive and regressive taxation - impact, shifting and incidence of taxes- effects of taxation.	Chalk & Board/ppt.
4 th week of April to 1 st week of May 2024	Unit -3. Public Debt Definition – internal and external public debt – burden of public debt	Chalk & Board/notes
2 nd week of May to 4 th week of May 2024	Unit -4 Indian Public Finance	Chalk & Board/notes

	Features of India's Federal finance - Center-state financial relations Class test	Pen paper mode
--	--	----------------

Name of the Course Instructor: Amrita pal

Here's a teaching plan for the course covering the period from January 2024 to June 2024

6th semester Entrepreneurial Economics

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Concept and types of Entrepreneurships			
	<ul style="list-style-type: none"> • Concepts and basic characteristics of entrepreneurship • Function and types of entrepreneurs • Role of entrepreneurship in economic development • Rural entrepreneurship – meaning, need and problems 	Offline and online	PDF, Google sites, PowerPoint	3 rd and 4 th week of February
2	Project Identification and Selection			
	Meaning of project-report -planning commission's guidelines for formulating a project report	Offline and online	PDF , Google sites, Powerpoint	1 st week of March
3	Theories of Entrepreneurship			
	<ul style="list-style-type: none"> • Motivation theories • Maslow's need hierarchy theory • Mclelland's acquired needs theory • Motivating Factors 	Offline and online	PDF , Google sites, Powerpoint	2 nd , 3 rd and 4 th week of March
4	Financial Resources for New Ventures			
	Sources of finance -capital structure -institutional support to enterprises—national small industries board – state small industries development corporation--district industries center industrial estates	Offline and online	PDF , Google sites, Powerpoint	1 st , 2 nd and 3 rd weeks of April
5	Expansion Strategies			
	Growth strategies in small business Support infrastructure and operational environment for successful entrepreneurship.	Offline and online	PDF , Google sites, Powerpoint	4 th week of April and 1 st week of May

4th Sem

Statistical Methods-II

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Time Series Analysis Nature and decomposition of time series – analysis of trend— polynomial trend – exponential trend – non-linear growth curves – moving average method – seasonal component-(simple numerical exercise)	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of February
2	Probability Theory			
	Random Experiments – Mutually Exclusive, Equally Likely and Collectively Exhaustive Events – Probability: Classical and Axiomatic Definition – Complementary Event – Theorem of Total Probability – Conditional Probability – Theorem of Compound Probability – Independent Events, Bayes’ Theorem.	Offline and online	PDF , Google sites, Powerpoint	1 st , 2 nd and 3 rd week of March
3	Random Variables and Mathematical Expectation			
	Definition of random variables – probability function and distribution function– mass density function – expectation and variance of random variables.	Offline and online	PDF , Google sites, Powerpoint	4 th week of March, 1 st week of April
4	Univariate Probability Distributions			
	Binomial, Poisson, Normal Distributions – Mean, Variance. Moment Generating Functions.	Offline and online	PDF , Google sites, Powerpoint	2nd and 3 rd week of April
5	Sampling Theory and Sampling Distributions			

	Population and Sample – Parameter and Statistic – Random Sampling – Practical Methods of Drawing Random samples – Random sampling Numbers – Sampling Distribution – Standard Error Sampling Distributions associated with Normal Population, Expectation and Standard Error of Sample Mean	Offline and online	PDF , Google sites, Powerpoint	4 th week of April, 1 st and 2 nd week of May
6	Estimation and Testing of Hypothesis			
	Desirable Properties of estimators – Unbiasedness, Minimum Variance, Efficiency, Consistency – Simple Methods of Point Estimation – Maximum Likelihood Estimators and their properties. Null hypothesis & Alternative Hypothesis – Confidence Intervals – Testing of Hypothesis – p-value – Type-I and Type-II Errors – Simple applications of tests for the Mean and Variance of a Univariate Normal Population.	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of May, 1 st week of June

2nd sem

Development Economics

Unit	Topics	Teaching Methods	Online Tools	Timeline
1	Concept of Economic Development			
	Meaning of Development, different concepts of development – Sustainable development, Participatory development, Inclusive development, Human development, Growth and Development – Broad Indicators of Economic Development – Per capita Income – PQLI– Basic needs approach – Human Development Index – Gender Development Index –Gender Empowerment Measure -Human Poverty Index-Global Hunger Index	Offline and online	PDF , Google sites, Powerpoint	1 st and 2 nd week of April
2	Underdevelopment and Theories			
	Characteristics of underdevelopment – Obstacles to underdevelopment <ul style="list-style-type: none"> • Trap Models – Critical minimum effort thesis – Low level equilibrium trap – Process of cumulative causation • Concept of surplus labour – Surplus labour as potential saving – Economic development with unlimited supplies of labour (Lewis Model). 	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of April
3	Structural Changes in Indian Economy			
	Trends in national income, per capita income -Changes in occupational pattern-Sectoral distribution of national income during the post-independence period.	Offline and online	PDF , Google sites, Powerpoint	1 st and 2 nd week of May
4	Agricultural Sector			

	Land reforms Farm size and Productivity Green revolution-causes and impacts. Agricultural marketing, concepts of food security and public distribution system in India.	Offline and online	PDF , Google sites, Powerpoint	3 rd and 4 th week of May, 1 st week of June
5	Industrial Sector			
	Industrial policy resolution (1948, 1956) -licensing policy; New industrial policy, 1991; the EXIT policy; present problems of SSIs and large-scale industries in India and its remedies.	Offline and online	PDF , Google sites, Powerpoint	2 nd , 3 rd and 4 th week of June
6	Poverty and Unemployment			
	Poverty-Concept and measurement issues Nature and types of unemployment in India -Problem of measurement of unemployment Unorganized labour market-Issues related to female and child labour.	Offline and online	PDF , Google sites, Powerpoint	1 st and 2 nd week of July

BANWARILAL BHALOTIA COLLEGE, ASANSOL**DEPARTMENT OF ECONOMICS****Curriculum/Teaching Plan for Even Semester of the Academic Year 2023-2024**

Name of the Instructor:	Dr. Parnasudha Karmodak
Course Name	Data Analysis (SEC) Semester II (Honours)
Course Code	BSCECOSE201
Assigned Classes	Three per week

Units	Topic	Teaching Methods	Timelines	Outcomes
Unit -1. Presentation of Data	1. Introduction and methods of presentation of data. 2. Textual presentation of data. 3. Assignments on Textual presentation of data	Chalk & Board/Pdf notes Laptop Computer Lab	4th week of Feb to 3rd week of March 2024	To elaborate the methods of presentation of data in textual form.
Unit -1. Presentation of Data	4. Tabular presentation of data. 5. Diagrammatic representation of data. 6. Assignments on Tabular and diagrammatic presentation of data.	Chalk & Board/Pdf notes Laptop Computer Lab	4th week of March to 2nd week of April 2024	To elaborate the methods of presentation of data in tabular and diagrammatic form.

Unit-2. Data Processing	1.Introduction to Data Processing. 2.Steps of Data Processing.	Chalk & Board/Pdf notes Laptop Computer Lab	3rd week of April to 2nd week of May 2024	To identify the steps associated with data processing
Unit-2. Data Processing	3. Problems associated with Data Processing. 4. Assignment on data processing.	Chalk & Board/Pdf notes Laptop Computer Lab	3rd week of May to 1st week of June 2024	To identify the problems associated with data processing
Unit -3. Analysis of Data	1.Various Types of Data Analysis quantitative, qualitative; cross section, time series.	Chalk & Board/Pdf notes Laptop Computer Lab	2nd week of June to 3rd week of June 2024	Analysis of various forms of data (quantitative, qualitative; cross section, time series).
Unit -3. Analysis of Data	2. Introduction of Statistical Tools used in Data Analysis 3. Assignments on various types of Data analysis.	Chalk & Board/Pdf notes Laptop Computer Lab	4th week of June to 1st week of July 2024	1.To interpret a Project based on techniques taught in this paper which will be helpful to them in further research. 2. Assignment Submitted individually by each student.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF ECONOMICS

Curriculum/Teaching Plan for Even Semester of the Academic Year 2023-2024



Name of the Instructor:	Dr. Parnasudha Karmodak
Course Name	Development Economics and Indian Economy (Minor)Semester II
Course Code	BSCECOMN201
Assigned Classes	Five per week

Units	Topic	Teaching Methods	Timelines	Outcomes
Group A: Unit -1. Concept of Economic Development	1. Meaning of Development. 2. Different concepts of development – Sustainable development, Participatory development, Inclusive development, Human development, Growth and Development. 3. Broad Indicators of Economic Development – Per capita Income – PQLI– Basic needs approach. 4. Human Development Index – Gender Development Index – Gender Empowerment Measure - Human Poverty Index- Global Hunger Index	Chalk & Board/Pdf notes Laptop	4th week of Feb to 3rd week of March 2024	To illustrate the concept of development, distinction between economic growth and economic development and the contemporary concepts of sustainable development, inclusive development, human development etc.
Group A:	1. Characteristics of underdevelopment – Obstacles to underdevelopment.		4th week of March to 2nd	To identify the issues of underdevelopment and to acquire

Unit-2. Underdevelopment and Theories	2. Trap Models – Critical minimum effort thesis – Low level equilibrium trap – Process of cumulative causation 3. Concept of surplus labour – Surplus labour as potential saving – Economic development with unlimited supplies of labour (Lewis Model).	Chalk & Board/Pdf notes Laptop	week of April 2024	theoretical knowledge about the poor economic status of the developing countries and to make use of development strategies needed for a labour surplus economy.
Group B: Unit -1. Structural Changes in Indian Economy	1. Trends in national income, per capita income. 2. Changes in occupational pattern 3. Sectoral distribution of national income during the post-independence period.	Chalk & Board/Pdf notes Laptop	3rd week of April to 2nd week of May 2024	To explain the situations of the Indian economy in the post-independence regime.
Group B: Unit-2. Agricultural Sector	1. Land reforms 2. Farm size and Productivity 3. Green revolution-causes and impacts 4. Agricultural marketing, concepts of food security and public distribution system in India.	Chalk & Board/Pdf notes Laptop	3rd week of May to 1st week of June 2024	To make a survey of different policies, relating to agriculture, industry etc. undertaken after independence to build up a self-reliant economy.
Group B: Unit -3. Industrial Sector	1. Industrial policy resolution (1948, 1956) - licensing policy 2. New industrial policy, 1991 3. the EXIT policy 4. present problems of SSIs and large-scale industries in India and its remedies	Chalk & Board/Pdf notes Laptop	2nd week of June to 3rd week of June 2024	To inspect issues of poverty, unemployment in the Indian Economy.
Group B: Unit -4. Poverty and Unemployment	1. Poverty-Concept and measurement issues. 2. Nature and types of unemployment in India 3. Problem of measurement of unemployment 4. Unorganized labour market-Issues related to female and child labour	Chalk & Board/Pdf notes Laptop	4th week of June to 1st week of July 2024	To inspect issues of poverty, unemployment in the Indian Economy.

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF ECONOMICS

Curriculum/Teaching Plan for Even Semester of the Academic Year 2023-2024



Name of the Instructor:	Dr. Parnasudha Karmodak
Course Name	Computer Application in Economics (SEC) 4th semester (Honours)
Course Code	BSCECOSE402
Assigned Classes	Three per week

Units	Topic	Teaching Methods	Timelines	Outcomes
Unit -1. The Nature and Sources of Data for Economic Analysis	1. Types of Data – Time Series, Cross Section 2. Basic Data Presentation 3. Introduction to Excel/Spreadsheet.	Chalk & Board/Pdf notes Laptop Computer Lab	2th week of Feb to 3rd week of Feb 2024	To understand different types of data.
Unit -1. The Nature and Sources of Data for Economic Analysis	4. Excel Basic, Formulas and Functions. 5. Sort and Filter. 6. Assignment on data and their presentation using spreadsheet/Excel.	Chalk & Board/Pdf notes Laptop Computer Lab	4th week of Feb to 3rd week of April 2024	To represent different types of data using spreadsheet/Excel.
Unit-2. Graphical Representation of Data Sets	1. Pie Chart. 2. Bar Chart. 3. Histogram and frequency Polygon	Chalk & Board/Pdf notes Laptop Computer Lab	4th week of April 2024	Graphically represent different types of data using Excel.

Unit-2. Graphical Representation of Data Sets	4. Ogive, 5. Bivariate Scatter Diagram 6. Assignment on Graphical representation of Data Sets	Chalk & Board/Pdf notes Laptop Computer Lab	1st week of May 2024	Graphically represent different types of data using Excel.
Unit-3. Using Spreadsheet / Excel for Statistical Analysis Estimation of Descriptive Statistics	1. Calculation of Mean, Median, Mode using formulas in Excel. 2. Calculation of Standard Deviation using formula in Excel.	Chalk & Board/Pdf notes Laptop Computer Lab	2nd week of May to 3rd week of May 2024	Using Spreadsheet / Excel for Estimation of Mean, Median, Mode and Standard Deviation.
Unit-3. Using Spreadsheet / Excel for Statistical Analysis Estimation of Descriptive Statistics	3. Calculation of Simple Correlation and Regression using Excel. 4. Assignments using Excel for Statistical Analysis Estimation of Descriptive Statistics	Chalk & Board/Pdf notes Laptop Computer Lab	4th week of May 2024	Assignment Submitted individually by each student.
Revision		Computer Lab, Class tests	1 st week of June to 4 th week of July	

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF ECONOMICS

Curriculum/Teaching Plan for Even Semester of the Academic Year 2023-2024



Name of the Instructor:	Dr. Parnasudha Karmodak
Course Name	Indian Economics-II (Core Theory) Semester VI
Course Code	BSCHECOC602
Assigned Classes	Six per week

Units	Topic	Teaching Methods	Timelines	Outcomes
Unit -1. Economic Planning	1. Planning in a mixed economy. 2. The Indian experience – Pre 1991 and Post 1991 plans 3. Overall success and failures of Economic Planning.	Chalk & Board/Pdf notes/Class notes	2th week of Feb to 3rd week of Feb 2024	To understand about the history of planning process in India.
Unit -1. Economic Planning	4. Critical Evaluation of functioning pattern of Planning Commission 5. Objectives behind formation of Niti Aayog. 6. Discussion of Previous year questions.	Chalk & Board/Pdf notes /Class notes	4th week of Feb to 3rd week of April 2024	To understand about the role of planning in the overall development of the economy and also the role of new institutions in furthering this progress.
Unit-2 Indian Tax Structure during Plan Period	1.Composition of Govt. revenue and expenditure	Chalk & Board/Pdf notes / Class notes	4th week of April 2024	To be acquainted with the problems and policies with

	<p>2. Trends, problems, reforms in tax structure</p> <p>3. Centre – State financial relation</p> <p>4. Discussion of Previous year questions</p>			<p>regard to tax structure in India, reforms in tax structure.</p>
<p>Unit -3. Public Sector in India</p>	<p>1. Role of public sector in India during the plan period</p> <p>2. Problems and policies with special emphasis on disinvestment policy</p> <p>3. Discussion of Previous year questions</p>	<p>Chalk & Board/Pdf notes/ Class notes</p>	<p>1st week of May 2024</p>	<p>To be acquainted with the problems and policies with regard to public sector in India.</p>
<p>Unit -4. India's Foreign Trade</p>	<p>1. Foreign trade policy 2009-2014</p> <p>2. Position of India's trade balance.</p> <p>3. Special economic zones.</p> <p>4. Arguments in favour of and against SEZs.</p>	<p>Chalk & Board/Pdf notes / Class notes</p>	<p>2nd week of May to 3rd week of May 2024</p>	<p>To gain insights regarding India's foreign trade, the problems there off</p>
<p>Unit -4. India's Foreign Trade</p>	<p>5. Foreign investment flows since 1991.</p> <p>6. Discussion of Previous year questions</p>	<p>Chalk & Board/Pdf notes / Class notes</p>	<p>4th week of May 2024</p>	<p>To understand the policies to be undertaken to mitigate trade deficit.</p>

BANWARILAL BHALOTIA COLLEGE, ASANSOL, WEST BENGAL

Department of Political Science (Day shift) Hons,

Teaching Plans Odd & Even Semesters 2023-2024

Odd Semesters (1st,3rd& 5^t)

Semester-1

Course Name: Political Theory-1

Course Code- BAPLSMJ101

Course Type: MAJOR

Class 4 hours per week, Name of the Teacher – DULAL BARAI and Dr. UMAR JALEES MONIRI

2023-2024

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	MODE	Teacher Name
1.	What is politics, Approach to the study of politics, Normative	5	August-2023-September 2023	Lecture	DULAL BARAI
1.1	Behavioural, and Post Behavioural, Marxist, and feminist	6	September- October 2023	Lecture	<i>DULAL BARAI</i>
2	Theories of the State–Origin– Social Contract Theory	4	November 2023	Lecture	<i>DULAL BARAI</i>
2.1	Liberal and New –Liberal theories	4	November 2023	Lecture	<i>DULAL BARAI DULAL BARAI</i>
3	Concept of State Sovereignty-Monistic and Pluralistic Theories	4	December20223	Lecture	<i>DULAL BARAI</i>
4	LIBERTY, EQUALITY, RIGHTS AD LAW-Interrelation	4	December2023	Lecture	<i>DULAL BARAI</i>
4.1	Justice –meaning and significance	2	December2023	Lecture	<i>Dr. UMAR JALEES MONIRI</i>
5	Democracy- meaning and significance	3	February 2023	Lecture	<i>Dr. UMAR JALEES MONIRI</i>
6	Theories of Revolution-Marx, Lenin, and Mao	5	September 2023- November	Lecture	<i>Dr. UMAR JALEES MONIRI</i>

Semester-1

Course Name: Political Theory-1

Course Code- BAPLSMN101S

Course Type: MINOR

Class 4 hours per week, Name of the Teacher – MR. RANAJIT MONDAL

2023-2024

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	MODE	Teacher Name
1.	What is politics, Approach to the study of politics, Normative	5	August-2023-September 2023	Lecture	MR. RANAJIT MONDAL
1.1	Behavioural, and Post Behavioural, Marxist, and feminist	6	September-October 2023	Lecture	MR. RANAJIT MONDAL
2	Theories of the State–Origin–Social Contract Theory	4	November 2023	Lecture	MR. RANAJIT MONDAL
2.1	Liberal and New –Liberal theories	4	November 2023	Lecture	MR. RANAJIT MONDAL
3	Concept of State Sovereignty–Monistic and Pluralistic Theories	4	December2023	Lecture	MR. RANAJIT MONDAL
4	LIBERTY, EQUALITY, RIGHTS AD LAW-Interrelation	4	December2023	Lecture	MR. RANAJIT MONDAL
4.1	Justice –meaning and significance	2	December2023	Lecture	MR. RANAJIT MONDAL
5	Democracy- meaning and significance	3	February 2023	Lecture	MR. RANAJIT MONDAL
6	Theories of Revolution-Marx, Lenin and Mao	5	September 2023- November	Lecture	MR. RANAJIT MONDAL

Semester-1

Course Name: Human Rights

Course Code: MDC-103

Course Type: MD

Name of the Teachers – Dr. KAKALI KUNDU (SARKAR) and Dr. UMAR JALEES MONIRI s

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	METHOD	Teacher Name
1.	Meaning and Brief History of Human Rights	4	September 2023-	Lecture	Dr. UMAR JALEES MONIRI
2	Human Rights- Terrorism and Counter-Terrorism	6	December-2023-January 2024	Lecture	Dr. UMAR JALEES MONIRI
3	Indian Constitution and Protection of Human Rights	5	September 2023-December 2023	Lecture	Dr.KAKALI KUNDU (SARKAR)
4	National Human Rights Commission – Composition and Function	4	December 2023 January 2023	Lecture	Dr.KAKALI KUNDU (SARKAR)
5	Human Rights Movement- Evaluation, Nature, Challenges and Prospect	7	February 2023-March 2024	Lecture	Dr.KAKALI KUNDU (SARKAR)

Semester-1

Course Name: Democratic Awareness with Legal Literacy

Course Code: BALPSE101

Course Type: SE

Name of the Teacher – Dr. KAKALI KUNDU (SARKAR)

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	METHOD
1.	Constitution- Fundamental rights, Fundamental Duties, and Other Constitutional Rights	7	September 2023-November 2023	Lecture
2	Laws Relating to Dowry, Sexual harassment and violence against women-	10	December-2023-January 2023	Lecture

	laws relating to consumer rights and cyber crimes			
3	Anti-terrorist laws-implications for Security and Human Rights	4	January-February-2024	Lecture
4	System of Courts-Criminal, juvenile, Mahila, tribunal, civil	4	February2024March-2024	Lecture
5	Alternate Dispute-Lok Adalat	2	March-2024	Lecture

s

Semester- 3rd

Paper Name, C-5 – Western Political Thought (Ancient and Medieval)

Class 5 hours per week, Name of the Teacher – Dr. UMAR JALEES MONIRI

Unit	Unit Name	Class	Expected Month	Mode
1	Background of Western Political Thought: A brief outline with special emphasis on Stoics and Sophists	4	September 2023	Lecture
2	Greek Political Thought: Plato – Theory of justice	4	September 2023	Lecture
2.1	Aristotle – Concepts of state and constitution	4	November 2023	Lecture
3	Roman Political Thought:	3	November 2023	Lecture
3.1	Law and jurisprudence Medieval Political Thought in Europe: Features	4	November 2023	Lecture
4	Post-Medieval Political Thought in Europe: Niccole Machiavelli – Secularization of politics.	3	December 2023	Lecture
	Post-Medieval Political Thought in Europe: Niccole Machiavelli – Secularization of politics.	3	December 2023	Lecture

	Post-Medieval Political Thought in Europe: Niccolò Machiavelli – Secularization of politics.	3	December 2023	Lecture
5	Jean Bodin – Theories of state and sovereignty.	4	January 2024	Lecture
	Theories of state and sovereignty.	4	January 2024	Lecture
	Theories of state and sovereignty.	4	January 2024	Lecture

Semester- 3rd

Paper Name- C-6, Indian Political Thought

Classes 5 hours per week.

Name of the Teacher- RANAJIT MONDAL

Unit	Unit Name	Class	Expected Month	Mode
1.	Kautilya's Political thought : Dharma and Danda	4	September 2023	Lecture
1.1	Kautilya's Political Thought:SaptangaTheory,Dandaniti	4	September 2023	Lecture
2.	Medieval Political Thought in India: general discussion	4	September 2023	Lecture
2.1	Medieval Political Thought in India: A broad outline	3	October 2023	Lecture
3.	Raja Rammohan Roy: Rule of law	3	October 2023	Lecture
3.1	Raja RammohanRoy:Freedom of thought	5	November 2023	Lecture
4	Bankim Chandra : Views of Nationalism	5	November 2023	Lecture
5.	Rabindranath Tagore: Critique of Nationalism	4	November 2023	Lecture

6.	Swamy Vivekananda: Ideal State	4	December 2022	Lecture
7.	Gandhi: Swaraj and Trusteeship	4	December 2023	Lecture
7.1	Gandhi: Swaraj and trusteeship, village swaraj	4	January 2023	Lecture
8.	Ambedkar: social Justice	4	January 2023	Lecture
8.1	Ambedkar: Social justice	4	January 2023	Lecture

SEMESTER_3

Paper Name C-7 –Political Sociology

Name of the Teacher – Dulal Barai

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	MODE
1.	Nature and scope of political sociology	3	August 2021-September 2021	Lecture
1.1	Sociology of politics and political sociology	4	September 2021	Lecture
2	Sociology Stratification and politics	2	November 2021	Lecture
2.1	Caste, class and elite	6	November 2021	Lecture
3	Power influence and authority	6	December 2021	Lecture
4	Political culture-meaning and types	6	January 2022	Lecture
5	Political Socialization – meaning and agencies	7	January 2022	Lecture
6	Social Mobility- Concepts and typology	6	February 2022	Lecture

Semester- 3rd

Paper Name: **GE-3, Nationalism in India**

Classes 5 hours per week

Name of the Teacher- RANAJIT MONDAL

Unit	Unit Name	Class	Expected Month	Mode
1.	Nationalism in the colonial World:Different types of Nationalism	5	September 2023	Lecture
1.2	Nationalism in the colonial world: difference with the nationalism the west	5	September 2023	Lecture
2.	Emergence of nationalist politics.	5	September2023	Lecture
2.1	Economic Nationalism, The Drain theory	3	October2023	Lecture
3.	Birth of Indian National Congress.	3	October2023	Lecture
3.1	Moderate- Extremist division	6	November2023	Lecture
4.	Rise of Gandhian Leadership in Congress; Non-cooperation movement.	6	November 2023	Lecture
4.1	Civil Disobedience movement and Quit India movement	5	November2023	Lecture
5.	Muslim League Hindu Mahasabha	4	December2023	Lecture
6.	Left politics : Foundation and development	4	December2023	Lecture
6.1	CPI- Socialists and Forward Block	4	January 2024	Lecture
7	Conflict between Congress and Muslim League	4	January 2024	Lecture
7.1	Two nation theory, demand for pakistan	4	February 2024	Lecture

Semester- 5th

Paper Name, Core - 11– World Politics: Organizations and Issues

Classes 6 hours per week, Name of the Teacher – **Dr. UMAR JALEES MONIRI**

Unit	Unit Name	Class	Expected Month	Mode
1	The Cold War: A Broad Outline	4	September 2023	Lecture
2	The United Nations	3	September 2023	Lecture
2.1	General Assembly, and Security Council	4	September 2023	Lecture
2.3	Reform of the UN	3	November 2023	Lecture
3	International Financial Institutions	3	November 2023	Lecture
3.1	World Bank, and IMF	3	November 2023	Lecture
4	Regional Organizations	3	November 2023	Lecture
4.1	SAARC, and ASEAN	3	November 2023	Lecture
5	Emerging issues in Post-Cold War era	3	December 2023	Lecture
5.1	Development and Environment	4	December 2023	Lecture
5.2	Human Rights: UNDHR	4	December 2023	Lecture
5.3	Terrorism	4	December 2023	Lecture

Semester- 5th

Paper Name- C-12, Basic Theories of Public Administration

Classes 6 hours per week **Name of the Teacher- RANAJIT MONDAL**

Unit	Unit Name	Class	Expected Month	Mode
1.	Nature and Scope of public Administration.	4	September 2023	Lecture
1.1	Evolution of Public Administration	4	September 2023	Lecture
1.2	Privat and Public Administration.	4	October 2023	Lecture

2	Major Concepts of Organization; Hierarchy, Unity of Command	3	October 2023	Lecture
2.1	Span of Control, Authority, Centralization.	4	November 2023	Lecture
2.2	Decentralization, Delegation, Line and Staff	4	November 2023	Lecture
3	Bureaucracy; Marx and Max Weber	4	December 2023	Lecture
4.	Development Administration: Fred. W. Riggs	4	December 2023	Lecture
5.	Decision Making Model: Herbert Simon	4	January 2024	Lecture

Semester- 5th

Paper Name - DSE -3 Human Rights Theory and Practice,

Name of the Teachers – Dr .KAKALI KUNDU (SARKAR and Dr. UMAR JALEES MONIRI

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	METHOD	Teacher Name
1.	Meaning and brief history of Human Rights	4	September 2023	Lecture	Dr. UMAR JALEES MONIRI
2	Human Rights- Terrorism and Counter Terrorism	6	December-2023-January 2024	Lecture	Dr. UMAR JALEES MONIRI
s3	Indian Constitution and Protection of Human Rights	5	September 2023- December 2023	Lecture	Dr.KAKALI KUNDU (SARKAR)

4	National Human Rights Commission – Composition and Function	4	December 2023- January 2024	Lecture	Dr.KAKAL I KUNDU (SARKAR)
5	Human rights movement- Evaluation, Nature, Challenges and Prospect	7	February 2024- March 2024	Lecture	Dr.KAKAL I KUNDU (SARKAR)

Even Semesters (2nd,4th &6th)

Semester -2

Course Name: Political Theory-2

Course Code: BAPLSMJ201

Course Type: Major

Name of the Teacher – Dulal Barai

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	METHOD	Name of Teachers
1.	Marxist approach to the study of politics	2	April 2024	Lecture	Dulal Barai
1.1	Dialectical materialism, Historical Materialism and, class and class struggle	10	April-May 2024	Lecture	Dulal Barai
2.	The question of relative autonomy of the state : Gramsci	4	May 2024	Lecture	Dulal Barai
3.	Freedom and democracy: Socialist perspective	6	May 2024	Lecture	-Dulal Barai

4.	Theory of revolution: Lenin and Mao	7	June 2024	Lecture	Dulal Barai
5	Marxism theory of party: Lenin's contribution, Lenin- Rosa Luxemburg debate on party	10	June 2024	Lecture	Dulal Barai

Semester -2

Course Name: Political Theory-2

Course Code: BAPLSMN201

Course Type: Minor

Name of the Teachers- RANAJIT MONDAL & Dr .KAKALI KUNDU (SARKAR)

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	METHOD	Name of the Teachers
1.	Marxist approach to the study of politics	2	April 2024	Lecture	- RANAJIT MONDAL
1.1	Dialectical materialism, Historical Materialism and, class and class struggle	10	April-May 2022	Lecture	- RANAJIT MONDAL
2.	The question of relative autonomy of the state : Gramsci	4	May 2024	Lecture	- RANAJIT MONDAL
3.	Freedom and democracy: Socialist perspective	6	May 2024	Lecture	- RANAJIT MONDAL
4.	Theory of revolution: Lenin and Mao	7	June 2024	Lecture	Dr .KAKALI KUNDU
5	Marxism theory of party: Lenin's contribution, Lenin- Rosa Luxemburg debate on party	10	June 2024	Lecture	Dr .KAKALI KUNDU

Semester -2

Course Name: Women Empowerment in India: Issues and Dimensions

Course Code: MDC219

Course Type: MDC

<u>UNIT</u>	UNIT NAME	CLASS	EXPECTED MONTHS	TEACHER NAME
1.	Conceptual Definition: Women and Women empowerment - Sex and Gender – Patriarchy	10	April 2024	Dr. KAKALI KUNDU
2.	Women and caste, religion, Women and environment, development; Women and access to resources: employment, health, education - Public sphere participation of women in politics	12	April-May 2024	Dr. KAKALI KUNDU
3.	The women's questions in pre-Independence era - sati-reform, widow remarriage; post Independence campaign against sexual harassment, dowry, violence; debates around the Uniform Civil Code,	10	May 2024	Dr. KAKALI KUNDU
4.	Women, the Law and the State: Constitutional remedies and rights against gender-based violence	10	June 2024	Dr. UMAR JALEES MONIRI
5.	The history of constitutional protections for women (Hindu Code Bill, right to property, personal laws)	8	June 2024	Dr. UMAR JALEES MONIRI

Semester -2

Course Name: *Indian Constitutional Development*

Course Code: BAPLSSE201

Course Type: SEC

UNIT	UNIT NAME	CLASSES	EXPECTED MONTHS	TEACHERS NAME
1	Brief history of Indian Constitutional Development since 1858-1909.	4	APRIL-2024	Dr .KAKALI KUNDU
2	Government of India Act 1919 or Montague Chelmsford Reforms 1919: Main Provisions (in details) and Dyarchy.	4	APRIL-2024	Dr .KAKALI KUNDU
3	Simon Commission.	4	MAY-2024	Dr .KAKALI KUNDU
4	Nehru Report	4	MAY-2024	Dr .KAKALI KUNDU
5	Government of India Act of 1935: Main Provisions (in detail), Provisional Autonomy and Federal System.	4	JUNE-2024	Dr .KAKALI KUNDU
6	Cripp's Mission Plan.	4	JUNE-2024	MR. RANAJIT MONDAK

7	Cabinet Mission Plan	4	JULY-2024	MR. RANAJIT MONDAK
8	Indian Independence Act of 1947: Main Provisions.	4	JULY-2024	Dr .KAKALI KUNDU

Semester- 4th

Paper Name C8 -Modern Western Political Thought

Name of the Teacher- Dulal Barai

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	METHOD
1.	Thomas Hobbes: Materialism, Human Nature and Sovereignty	8	April 2024	Lecture
2.	John Locke : Natural Rights and property	6	April 2024	Lecture
3.	J J Rousseau : concept of general will	4	April-May 2024	Lecture
4.	Hegel: dialectics and State	5	May 2024	Lecture
5.	Karl Marx and Fredrick Engels: dialectical and Historical Materialism	8	May- Junr2024	Lecture
6.	Jeremy Bentham: Utilitarianism	5	June 2024	Lecture
7.	J.S.Mill : Utilitarianism and liberalism	7	June 2024	Lecture

SEMESTER-4

Paper Name C-9- Indian Government and Politics

Name of the Teacher- Dr. KAKALI KUNDU

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	METHOD
1.	Framing of the Indian Constitution, preamble, Constituent assembly	8	April 2024	Lecture
2.	Fundamental Rights, Duties, Directive principles of state policy	6	April 2024	Lecture

3.	Nature of Indian federalism, union-state relation	4	April-May 2024	Lecture
4.	Union executive, president, vice president, prime minister, Election	5	june2024	Lecture
5.	Rajaya Shava, Lok Shava, composition, function	8	June 2024	Lecture
6.	Judiciary system	5	July2024	Lecture
7.	Constitutional amendment	7	July2024	Lecture

SEMESTER 4

PAPER NAME-C-10- Basic Theories of International Relations

Class **six** hours per week, Name of the Teacher – **Dr. UMAR JALEES MONIRI**

Unit	Unit Name	Class	Expected Month	Mode
1	Basic concepts of International Relations: (a) National power, (b) Balance of power, (c) Collective security, (d) Bipolarity, (e) Unipolarity, (f) Multipolarity, (g) National interest, and (h) Globalization.	4	February 2024	Lecture
	Bipolarity, Unipolarity Multipolarity,	4	February 2023	Lecture
	National interest, and (h) Globalization.	4	March 2024	Lecture
2	Realism: As an approach to the study of International Relations.	4	March 2024	Lecture
3	Liberalism: As an approach to the study of International Relations.	4	March 2024	Lecture
4	World System: As an approach to the study of International Relations.	3	April 2024	Lecture
5	Techniques of implementation of Foreign Policy: Diplomacy, Propaganda and Foreign Aid.	3	April 2024	Lecture
	Propaganda and Foreign Aid.	3	April 2024	Lecture
		3	May 2024	Lecture

SEMESTER 4

Paper Name SEC-2,-Legislative Practice and Procedure

Per week 3 classes, Name of the Teacher-**RANAJIT MONDAL**

s

UNIT	UNIT NAME	CLASS	EXPECTED MONTHES	MODE
1.	Powers and functions of people representative	4	April 2024	Lecture
1.1	State Legislative Assembly and Parliament	5	April 2024	Lecture
1.2	Rural and Urban Local government	4	April 2024	Lecture
1.3	Functions of Rural and Urban government	4	April 2024	Lecture
2.	Legislative Process	4	May 2024	Lecture
2.1	Making of Law	4	May 2024	Lecture
3.	Legislative Committees	4	May 2024	Lecture
3.1	Types and role of Legislative Committees	3	May 2024	Lecture
4.	Over view of Budget	3	May 2024	Lecture
4.1	Budget Process	5	June 2024	Lecture
5.	Media Monitoring	3	June 2024	Lecture
5.1	Types of Media	3	June 2024	Lecture
5.2	Media Communication and Significance	3	June 2024	Lecture

SEMESTER-4TH

PAPER NAME-GE-4 – Governance: Issue and Challenges:

Name of the Teacher – Dr. UMAR JALEES MONIRI

Unit	Unit Name	Class	Expected Month	Mode
1	Meaning and evolution of the concept	4	February 2024	Lecture
1.1	Concept	4	February 2024	Lecture
2	Good governance – Basic components	4	March 2024	Lecture
3	Forms of governance Democratic governance, e-governance and corporate governance	3	March 2024	Lecture

3.1	Democratic governance, e-governance and	4	March 2024	Lecture
3.2	Corporate governance	3	April 2024	Lecture
4	Law, Policy and governance: Scope and Challenges	3	April 2024	Lecture
4.1	Scope and Challenges	3	April 2024	Lecture
5	Environmental governance	4	May 2024	Lecture

SEMESTER -6th

Paper Name C-13 -Local Government in West Bengal

Per week six classes. Name of the Teacher -RANAJIT MONDAL

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	MODE
1.	Evolution of Panchayati Raj.	4	February 2024	Lecture
1.1	Evolution of Rural local Government in W.B	4	February 2024	Lecture
1.2	Evolution of Urban local Government in W.B	4	March 2024	Lecture
2.	Structure of Panchayati Raj Institution in the light of 73 rd Amendment Act 1992.	4	March 2024	Lecture
2.1	Functions of PRI in the light of 73 rd Amendment Act 1992.	4	March 2024	Lecture
2.2	About 73ed Constitutional Amendment Act 1992	4	April 2024	Lecture
3.	74 th Constitutional Amendment Act 1993.	4	April 2024	Lecture
3.1	Structure of Urban Local Govt under 74 th Amendment Act 1993.	4	April 2024	Lecture
3.2	Functions of Urban Local Govt. under 74 th Amendment Act 1993.	4	April 2024	Lecture

3.3	West Bengal Municipality Act 1993.	4	May 2024	Lecture
4	Local Government and empowerment of women	4	May 2024	Lecture
4.1	Local Government and empowerment of scheduled castes.	3	May 2024	Lecture
4.2	Local Government and empowerment of scheduled tribes.	3	June 2024	Lecture
5	State-Local Government relations.	5	June 2024	Lecture
5.1	Financial Control of the state.	5	June 2024	Lecture

Semester-6th

Paper Name -C-14 project paper

Per week six classes. Name of the Teacher –Dr. KAKALI KUNDU

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	MODE
1.	Social Research Introduction	4	April 2024	Lecture
2	Formulation of Research Problem	4	April 2024	Lecture
3	Research Design	4	April 2024	Lecture
4	Objective of the study	4	April 2024	Lecture
5	Important of the study	4	April 2024	Lecture
6	Sampling of the research	4	May 2024	Lecture
7	Research method	4	May 2024	Lecture
8	Literature Review	4	May 2024	Lecture
9	Findings	4	May 2024	Lecture
10	Result	4	May 2024	Lecture
11	Conclusion	4	June 2024	Lecture
12	Bibliography	3	June 2024	Lecture
13	Preface	3	June 2024	Lecture
14	How to prepare front page	5	June 2024	Lecture
15	Acknowledgement	5	June 2024	Lecture

SEMESTER-6TH

Paper Name DSE -Understanding Global Politics

Name of the Teacher -Dulal Barai

UNIT	UNIT NAME	CLASS	EXPECTED MONTHS	METHOD
1.	Evolution of the state system	5	April 2024	Lecture
1.1	The Concept of sovereignty	5	April 2024	Lecture
2	Global economy: Bretton Woods institutions and WTO	9	April-May 2024	Lecture
3.	Transnational economic actors	8	May 2024	Lecture
4.	Global poverty	3	May 2024	Lecture
4.1	Millennium development goals	5	May-June 2024	Lecture
4.2	Unfulfilled promise	4	June 2024	Lecture

SEMESTER 6TH

Paper Name, DSE – Environmental Politics

Class six hours per week, Name of the Teacher – Dr. UMAR JALEES MONIRI

Class test will be taken after finishing every unit of each semester

Unit	Unit Name	Class	Expected Month	Mode
1	Environmentalism: Meaning, Key Related Ideas, Significance	4	February 2024	Lecture
	Environmentalism: Significance	4	February 2024	Lecture
2	Collective action problems and environmental challenges in developing and developed countries;	4	March2024	Lecture

	Collective action problems and environmental challenges in developing and developed countries;	3	March2024	Lecture
3	Major Environmental Movements in India: Chipko – Narmada Banchao	3	March2024	Lecture
4	Regional and international efforts to address climate change.	3	April 2024	Lecture
5	Green Governance: Sustainable Human Development	3	April 2024	Lecture
	Green Governance: Sustainable Human Development	3	May 2024	Lecture
		4	May 2024	Lecture

Banwarilal Bhalotia College, Asansol
Department of Geography (Day Shift)
Curriculum/Teaching Plan of the Academic Year 2023-24



Name of Teacher/Course Instructor: DR CHANDANA SINGHA

1st Semester

Course Name: MJC1Introduction to Physical Geography

MD1: Disaster Management

Course Code: BSCGEOMJ101

MD-1

Assigned Syllabus: MJC1: 2.1, 2.2, 2.3, 2.4

MD1: UNIT 1.3, 1.4, 2.1, 2.2

Expected Time Span	Topics Covered	Teaching Method
2nd & 3rd Week of August, 2023	Basic concepts of geomorphology Global Initiatives: SDGs	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
4th & 5 th Week of August,2023	Fundamental concepts of geomorphology SDG 11-Target 5(Reduce the adverse effect of natural disasters)	Chalk & board/Ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2nd week of Sept, 2023	Plate tectonics: concepts,factors, plate boundaries/margins, Sendai Framework (DRR)	Chalk & Board/pdf lectures

		(Study Materials will be supplied in advance)
3rd Week of Sept,2023	Plate tectonics and associated landforms Global Facility for Disaster Reduction and Recovery (GFDRR)	Chalk & Board/pdf lectures/lectures (Study Materials will be supplied in advance)
4th Week of September, 2023	Weathering: definition, types National initiatives: Role of institutional framework in disaster management (NDMA-SDMADDMA, NDRF, Civic volunteers, NIDM)	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
1st Week of October ,2023	Plate tectonics and associated landforms Disaster Management Support by NRSC, ISRO Bhuvan Portal (Real-time GIS-based disaster database of India)	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
2nd Week of October,2023	Different types of weathering and associated landforms, Importance of weathering Earthquake: Factors, vulnerability, consequences and management.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2nd Week of November , 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
4th week of November ,2023	Mass wasting: concepts, factors, types Tsunami: Factors, vulnerability and management;	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st & 2nd week of dec2023	Associated landforms of mass wasting	Chalk & Board/ppt/pdf lectures (Study

	Role of Indian Tsunami Early Warning Centre (ITEWC)	Materials will be supplied in advance)
3rd week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode
4th week of December, 2023	Landforms evaluation: Davis Case study of Indian Ocean Tsunami, 2004	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
2nd week of January, 2024	Landforms evaluation: Penck Floods: Meteorological and Outburst Floods (GLOF, LLOF, Avalanche) - causes, consequences and management	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
4th week of January, 2024	Landforms evaluation: Hack Case study of Bengal's Millennium Flood, 2000	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
3rd week of February, 2024	Comparative analysis among Davis, Penck and Hack Drought: Meteorological, hydrological and agricultural droughts - factors, vulnerability and management	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
4th week of February 2024	Class test on Landform Evaluation Preparedness plan for cyclone and flood	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
2 nd week of March, 2024	Revision of Previous Theory Topics from MJC1 and MD-1	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)

Assigned Classes: Two (2) Classes per Week

- **Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**

3rd Semester

Course Name: CC-6 Geography of India

CC- 7 Fundamentals of Remote Sensing

SEC-1 Geographical Techniques

Course Code: BSCHGEOC302

BSCHGEOC303

BSCHGEOSE302

Assigned Syllabus: CC-6- Unit 1, 2 & 3

CC-7- Unit 3 & 5

SEC-1- Unit 4, 5

Expected Time Span	Topics Covered	Teaching Method
1 st week of September, 2023	Physical Geography of India: Location, Physiographic Divisions Measurement of weather elements by Meteorological Instruments: Hygrometer,	Chalk & Board
2 nd week of September, 2023	Characteristics and classification of Climate; Introduction to Image Processing and Data Analysis Maximum Minimum Thermometer, Rain gauge (Simon's)	Chalk & Board/ Using Aerial Images/ Geological Maps
3 rd week of September, 2023	Soil of India Geo-Referencing of satellite imagery	Chalk & Board/ Using Aerial Images/ Geological Maps
4 th week of September, 2023	Natural vegetation distribution Geo-Referencing of satellite imagery	Chalk & Board/ Using Aerial Images/ Geological Maps

1 st week of October, 2023	Population of India: Age-sex Structure Geo-Referencing of topomap	Chalk & Board/ Using Aerial Images/ Geological Maps
2 nd week of October, 2023	Growth and Distribution of Population Geo-Referencing of topomap	Chalk & Board/ Using Aerial Images/ Geological Maps
3 rd week of October, 2023	Distribution of Population by Race Geo-Referencing of satellite imagery: editing	Chalk & Board/ Using Aerial Images/ Geological Maps
1 st week of November, 2023	Class Test on the topics covered till date	Offline pen paper
2 nd week of November, 2023	Distribution of Population by Caste Geo-Referencing of satellite imagery: editing	Chalk & Board/ QGIS software
4 th week of November, 2023	Distribution of Population by Religion Application of Remote Sensing: Forests Monitoring Fortin's barometer	Chalk & Board/ PPT
5 th week of November, 2023	Language Application of Remote Sensing :Water Resources Preparation of Climatic Graphs and Charts: Taylor's Climograph	Chalk & Board/ PPT
1 st week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
3 rd week of December, 2023	Tribes and their Correlates Laboratory Notebook Checking Application of Remote Sensing :Natural hazards Hythergraph, Star Diagram	Chalk & Board/PPT
4 th week of December, 2023	Economic Geography of India: Mineral and Power Resources Laboratory Notebook Checking	Chalk & Board/Map of

	Geo-Referencing of satellite imagery: final output(map layout) and Ergograph	India/QGIS software
1 st Week of January	Distribution and Utilization of Iron Ore, Coal, Petroleum, Natural Gas Geo-Referencing of satellite imagery: final output (map layout)	Chalk & Board/Map of India/QGIS software
2 nd Week of January	Agricultural Production and Distribution of Rice Revision of georeferencing and final output, Weather instrument	Chalk & Board/Map of India/QGIS software
3 rd Week of January	Wheat, Jute, Tea, Cotton Revision of application of remote sensing and climatic chart and graph	Chalk & Board/Map of India
4 th Week of January	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Differentiability	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)

Assigned Classes: [Seven \(7\) Classes per Week](#)

- **Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**

- 5th Semester

- **Course Name: CC 11 Regional Planning and Sustainable Development**
- **CC12 Field Techniques**
- **Course Code: BSCHGEOC501**
- **BSCHGEOC501**
- **Assigned Syllabus: CC11 – Unit 4,5 and Assignment**
- **CC-12- 1,2 AND 4**

Expected Time Span	Topics Covered	Teaching Method
1 st week of September, 2023	Sustainable Development: Concept of Development and Underdevelopment; Surveying Use of Field Tools: Dumpy level,	Chalk & Board/survey instrument
2 nd week of September, 2023	EfficiencyEquity Debate: Definition, Components and Sustainability for Development. Surveying Use of Field Tools: Dumpy level	Chalk & Board/survey instrument
3 rd week of September, 2023	Indicators (Economic, Social and Environmental) Research: Meaning, Significance, Types Surveying Use of Field Tools: Dumpy level	Chalk & Board/survey instrument/Pdf notes
4 th week of September, 2023	Sustainable Development Policies and Programmes: Rio+20; Approaches to Research in Geography; Field Work in Geographical Studies –Defining the Field Surveying Use of Field Tools: Prismatic Compass,	Chalk & Board/survey instrument/Pdf notes
1 st week of October, 2023	Goal-Based Development; Literature review; Surveying Use of Field Tools: Prismatic Compass,	Chalk & Board/survey instrument/Pdf articles
2 nd week of October, 2023	Financing for Sustainable Development Literature review; Surveying Use of Field Tools: Prismatic Compass,	Chalk & Board/survey instrument/Pdf articles
3 rd week of October, 2023	Surveying Use of Field Tools: Prismatic Compass,	Chalk & Board/survey

	Assignment on Sustainable Development Programme	instrument/Pdf articles
1 st week of November, 2023	Identifying the Case Study Surveying Use of Field Tools: Theodolite	Chalk & Board/survey instrument
2 nd week of November, 2023	Assignment on Sustainable Development Programme Surveying Use of Field Tools: Theodolite	Chalk & Board/survey instrument
4 th week of November, 2023	Surveying Use of Field Tools: Theodolite Revision of different topics related to sustainable development	Interactive session/survey instrument
5 th week of November, 2023	Remedial Exam taken on Sustainable development Later Short and Broad Questions discussion and writing	Exam pen paper/ interactive session
1 st week of December, 2023	Short and Broad Questions discussion and writing	Discussion
2 nd week of December, 2023	Revision of survey instruments	survey instruments
3 rd week of December, 2023	Assignment Submission and Checked, Doubts Cleared	Discussion

- **Assigned Classes: [Seven \(7\) Classes per Week](#)**

- **Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted**
- **after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**

Banwarilal Bhalotia College, Asansol
Department of Geography (Day Shift)
Curriculum/Teaching Plan for Even Semesters of the Academic Year
2023-24



Name of Teacher/Course Instructor: DR CHANDANA SINGHA

Banwarilal Bhalotia College, Asansol
 Department of Geography (Day Shift)

Curriculum/Teaching Plan for **Even Semesters** of the Academic Year 2023-24

2nd Semester

Course Name: MJC2 Fundamentals of human Geography
SEC2 Elementary Practicals in Human Geography

Course Code: BSCGEOMJ201
BSCGEOSE101

Assigned Syllabus: MJC1: 2.4, 2.5, 2.6, 2.7
SEC1: UNIT 2- 1.1,1.2, 2.2(MPI)

	Topics Covered	Teaching Method
2nd Week of April 2024	Origin and growth of rural settlements; Sources of demographic and socio-economic data;	Chalk & Board/PDF notes
3rd Week of April, 2024	Social morphology and rural house types in India; Data access from Census of India web portal; Preparation of questionnaire or schedule for collecting data through a household survey	Chalk & Board/pdf notes/ Laptop
4 th Week of April, 2024	Types and patterns of rural settlements Interview with special reference to focused group discussions	Chalk & Board (study materials will be supplied in advance)
5 th week of April and 1 st week of may, 2024	Origin and growth of urban settlements;	Chalk & Board / ONLINE CLASSES THROUGH GOOGLE MEET/PPT

	Preparation of maps showing population density by choropleth; Population growth rates by line graph (Annual and Decadal)	
2 nd Week of May, 2024	Functional classification of urban settlements; Rural and urban population by dots and spheres;	ONLINE CLASSES THROUGH GOOGLE MEET/PPT
3 rd Week of May, 2024	Class Test on the topics covered till date	Class Test via Google Meet (Online mode)
1 st Week of June, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	ONLINE CLASSES THROUGH GOOGLE MEET/PPT
2 nd and 3 rd Week of June, 2024	Poverty and inequality: Concept, causes and consequences; Food Security in Indian context	Chalk & Board
4 th and 5 th Week of June, 2024	Morphology of urban settlements: Models of Burgess, Multidimensional Poverty Index (MPI) and representation	Chalk & Board lectures (study materials will be supplied in advance)
1 st and 2 nd week of July	Models of Hoyt, Harris and Ullman Multidimensional Poverty Index (MPI) and representation	Chalk & Board/video lectures (study materials will be supplied in advance)
3 rd and 4 th Week of July, 2024	Trends and patterns of world urbanization (ancient and modern) Revision of Cartograms and MPI	Chalk & Board, pdf lectures/video lectures (study materials will be supplied in advance)
5 th week of July	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1 st week of August	Class Test covering the whole Unit Syllabus	Question - Answer

- Assigned Classes: **Three (3) Classes per Week**

- Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

4th Semester

Course Name: CC9: Environment and Natural Resource Management

CC10: Digital Remote Sensing

Course Code: BSCHGEOC402

BSCHGEOC403

Assigned Syllabus: CC9 – Unit 1,2,5

CC 10- Unit 3

Expected Time Span	Topics Covered	Teaching Method
2 nd week of February, 2024	Concept of Environment and Natural Resource Management,	Chalk & Board/pdf lectures (study materials will be supplied in advance)
3 rd week of February, 2024	Human-Environment Relationships	Chalk & Board
4 th week of February, 2024	Ecosystem: Concept, Structure and Functions;	Chalk & Board/Ppt/pdf lectures (study materials will be supplied in advance)
2 nd week of March, 2024	Application of Digital Remote Sensing: Land Use /Land Cover Mapping and Interpretation	Chalk & Board/pdf lectures Computer lab and QGIS software
3 rd Week of March, 2024	Class Test on the topics covered till date	Mock test
1 st week of April	One Remedial/Special Tutorial Class as per the	Discussion/Interactive Session

	performance of the Students so far	
2 nd week of April, 2024	Environmental Monitoring Programme: Policies – Global, National and Local	Chalk & Board/ppt/pdf lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Environmental Monitoring Programme: Policies – National and Local Application of Digital Remote Sensing: Land Use /Land Cover Mapping and Interpretation	Chalk & Board/pdf lectures (study materials will be supplied in advance) Computer lab and QGIS software
4 th week of April, 2024	Application of Digital Remote Sensing: Land Use /Land Cover Mapping and Interpretation	Pdf/ppt lectures (study materials will be supplied in advance) Computer lab and QGIS software
5 th week of April, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Online Interactive Session through google meet
1 st week of May, 2024 (From 4 th May)	Class Test covering the whole Unit Syllabus	Online Class Test via Google Form
2 nd week of May, 2024	Environmental Issues in Tropical, Temperate and Polar Ecosystems Land use and land cover mapping	Online classes through google meet

3 rd week of May, 2024 (to 20 th May)	Application of Digital Remote Sensing: Land Use /Land Cover Mapping and Interpretation	Online classes through google meet
5 th week of May, 2024	Remedial Exam taken Later Short and Broad Questions discussion and writing	Discussion

- **Assigned Classes: [Five \(5\) Classes per Week](#)**
- **Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**

6th Semester

**Course Name: CC 13: Evolution of Geographical Thought
CC14 Disaster Management Project Work**

Bio-Geography

Course Code: BSCHGEOC601

BSCHGEODSE605

BSCHGEOC602

Assigned Syllabus: CC13 – Unit 3

CC 14- Secondary data based project work

DSE1: Unit 2 and 3

Expected Time Span	Topics Covered	Teaching Method
2 nd week of February, 2024	Debates between Environmental Determinism and Possibilism, Topic selection for project report	Chalk & Board
3 rd week of February, 2024	Systematic and Regional Geography, Literature Review Writing on Landslide in Darjeeling Himalayas	Chalk & Board
4 th week of February, 2024	Ideographic and Nomothetic approach in Geography; Biogeographical regions of the world Literature Review Writing	Chalk & Board

2 nd week of March, 2024	Definition of biosphere, meaning of ecology, Data Table generation, Map making	Chalk & Board
4 th week of March, 2024	Eco-tone, Communities, habitats, ecological niche, ecological pyramids Data Table generation, Map making	Chalk & Board
1 st week of April, 2024	Class Test on the topics covered till date	Mock test
2 nd week of April, 2024	Biomes, Analysis and Interpretation	Chalk & Board
3 rd week of April, 2024	Biomes, Analysis and Interpretation	Discussion
4 th week of April, 2024	Photograph collection, sorted references	Discussion
5 th week of April, 2024	Class Test covering the whole Unit Syllabus	Online Class Test via Google Form
1 st week of May, 2024 (From 4 th May)	ONLINE CLASSES Project Related Discussion, Practice for Viva	PPT & Discussion Through Online
2 nd week of May, 2024	ONLINE CLASSES Demonstration how to prepare ppt for their project presentation	PPT & Discussion Through Online
3 rd week of May, 2024 (to 20 th May)	ONLINE CLASSES Revision of geographical thought topics Project Related Discussion, Practice for Viva	PPT & Discussion Through Online
5 th week of May, 2024	Remedial Exam taken Later Short and Broad Questions discussion and writing	Discussion

- Assigned Classes: **Eight (8)Classes per week**
- **Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**
-

Banwarilal Bhalotia College, Asansol
Department of Geography (Day Shift)
Curriculum/Teaching Plan for **Odd Semesters of the Academic Year**
2023-24



Name of Teacher/Course Instructor: MADHUMITA MONDAL

Banwarilal Bhalotia College, Asansol
Department of Geography (Day Shift)
Curriculum/Teaching Plan for **Odd Semesters of the Academic Year**
2023-24

Name of Teacher/Course Instructor: MADHUMITA MONDAL

1ST SEMESTER

Course/Paper Name:

MJC-1(Fundamentals of Physical Geography)

**SEC-1 (Elementary Practicals in Physical
Geography)**

Course/Paper Code: **BSCGEOMJ101, BSCGEOSE101**

Assigned Syllabus: **Unit-2(2.5,2.6,2.7,2.8) And Unit 1(Whole)**

Expected Time Span	Topics Covered	Teaching Method
2nd & 3rd Week of August, 2023	Development of river network	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
4 th & 5 th Week of August,2023	Landforms on Uniclinal structure	Chalk & board/Ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2nd Week of Sept, 2023	Landforms on Folded structure	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
3rd Week of Sept,2023	Concept and classification of map scales & Linear scale	Chalk & Board/pdf lectures/lectures (Study Materials will be supplied in advance)
4th Week of September, 2023	Fluvial processes and landforms	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
1st Week of October ,2023	Construction of Diagonal Scale	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
2nd Week of October,2023	Aeolian and fluvio-aeolian processes and landforms	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)

2 nd Week of November , 2023	Class Test on the topics covered till date	Assignment via Offline Mode/Google Form/Google Quiz
	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
4th week of November ,2023	Construction of Vernier Scale	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st & 2nd week of dec2023	Glacial & glacio-fluvial processes and landforms	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
3rd week of December ,2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz
4th week of December,2023	Coastal processes and landforms	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
2nd week of January,2024	Megascopic identification of (a) Mineral samples: Bauxite, Calcite, Chalcopyrite, Feldspar, Galena, Gypsum, Hematite, Magnetite, Mica, Quartz, Talc, Tourmaline;	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
4th week of January,2024	igneous rocks: Granite and basalt;Development of landforms on igneous rocks: Granite and basalt;	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
3rd week of February,2024	Identificaton of Rock samples: Granite, Basalt, Dolerite, Pegmatite, Limestone,	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)

	Shale, Sandstone, Conglomerate, Slate, Phyllite, Schist, Gneiss, Quartzite, Marble	
4th week of February 2024	Landforms on sedimentary rocks: Sandstones and limestones	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
1st & 2nd week of March, 2024	Repetition of scales	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)

Assigned Classes: **Three (3) Classes per Week**

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

3 RD SEMESTER

**Course/Paper Name: CC-5(Climatology and
Oceanography)**

**CC-7, (Fundamentals of
Remote Sensing) SEC-1
(Geographical Techniques)**

**Course/Paper Code: BSCHGEOC301,
BSCHGEOC302,BSCHGEOSEC301**

**Assigned syllabus: Unit 3 ,4 & assignment (CC-5),Unit-2 a& 4
partly(CC-7) and Unit-2 and Thermometer (SEC-1)**

Expected Time Span	Topics Covered	Teaching Method
1st & 2nd Week of September, 2023	Introduction of Ocean floor topography: Pacific Ocean floor topography	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
	Explanation of Atlantic Ocean floor topography	
4th Week of September , 2023	Concept of remote sensing, Definition, and it's development	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
1st & 2nd Week of September, 2023	Ocean water movement s, Oceanic waves and currents and Platform and types of remote sensing	Ppt/pdf lectures (Study Materials will be supplied in advance)
2nd Week of November, 2021	Preparation of landuse and landcover map from satellite image	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th week of November, 2021	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1st Week of December, 2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Continuity	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2nd Week of December, 2023	Tides: Progressive and Stationary wave theory of tide and Identification of rocks: granite, basalt, dolerite, pegmatite, limestone, shale,	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)

	sandstone, phyllite, slate, conglomerate, laterite, marble, schist, quartzite	
3rd Week of December, 2023	Theory of coral reef formation, marine deposits and resources.	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
4th Week of December, 2023	Distribution and determinants of ocean Salinity and Temperature	Chalk & Board/ppt/pdf lectures (Study Materials will be supplied in advance)
1st Week of January, 2024	Assignment on Coral reef and Identification of minerals: bauxite, gypsum, calcite, chalcopyrite, feldspar, galena, haematite, magnetite, mica, quartz and Talc	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
3rd Week of January, 2024	Two Special Classes Regarding Different Types of Problems & Counterexamples Regarding Differentiability	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th Week of January, 2024	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Assigned Classes: **Six (6) Classes per Week**

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

5 TH SEMESTER

Course/Paper Name:

DSE-1: Geography of west Bengal ,DSE-2: Hydrology

Course/Paper Code: , BSCHGEODSE501 & BSCHGEODSE504

Assigned Syllabus: Unit-1,2 & 3 and Unit -1,2&3

Expected Time Span	Topics Covered	Teaching Method
2nd & 3 Rd Week of August,2023	Physiography and broad physiographic division of West Bengal.	Chalk & Board/pdf lectures(Study Materials will be supplied in advance)
4th & 5 th Week of August,2023	Climate, Soil and Natural vegetation of West Bengal	Chalk & Board/pdf lectures(Study Materials will be supplied in advance)
2nd and 3rd week of Sept, 2023	Hydrological cycle and Basin and Global hydrological cycle and it's impacts on human environment.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
2nd week of Sept, 2023	Drainage system and ground water of west bengal. Agricultural system and Irrigation facilities of West Bengal.	Chalk & Board/pdf lecturers (Study Materials will be supplied in advance)
4th week of September,2023	Precipitation, interception, evaporation, evapotranspiration, infiltration, ground-water, runoff and runoff cycle	Chalk & Board(Study Materials will be supplied in advance)
	Class Test on the topics covered till date	Assignment via Google Form/Google Quiz
1st week of October,2023	Industries and Transportation system of West Bengal and	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)

2nd week of October,2023	Distribution of population and population growth in West Bengal	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
4th week of November,2023	Sex ratio, literacy ,caste system in West Bengal and Floods and droughts; Integrated water resource management.	Chalk & Board/ppt/pdf lectures/video lectures (Study Materials will be supplied in advance)
1st & 2nd week of December 2023	Characteristics and pattern of Urbanization in West Bengal and Mining activities in West Bengal.	Chalk & Board/pdf lectures (Study Materials will be supplied in advance)
3rd week of December,2023	One Remedial/Special Tutorial Class as per the performance of the students so far	Discussion/Interactive Session
	Assignment Based Exam covering the whole Syllabus	Assignment via Offline Mode/Google Form/Google Quiz

Assigned Classes: **Five(5) Classes per Week**

Note: Home-Works will be allotted to the students after each class & Home Assignments will be allotted

after each week. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

**Curriculum/Teaching Plan for Even Semesters of the Academic Year
2023-24**



Name of Teacher/Course Instructor: MADHUMITA MONDAL

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

**Curriculum/Teaching Plan for Even Semesters of the Academic Year
2023-24**

2ND SEMESTER

**Course Name: MJC-2 (Fundamental of Human
Geography)**

Course Code: BSCGEOMJ201

Assigned Syllabus: Unit -1.1,1.2,1.3 & 1.4

	Topics Covered	Teaching Method
2nd Week of April 2024	Nature, scope and recent trends; Development and branches of human geography	Chalk & Board/pdf lectures(study materials will be supplied in advance)
3rd Week of April, 2024	Resource, locational approaches to Human Geography	Chalk & Board/pdf lectures (study materials will be supplied in advance)
1st & 2nd Week of May, 2024	Landscape and environmental approaches to Human Geography	Chalk & Board/ppt lectures (study materials will be supplied in advance)
3rd & 4th week of May, 2024	Evolution of Man-Nature interaction: Hunting and Food gathering periods and Pastoral nomadism periods.	Chalk & Board lectures (study materials will be supplied in advance)
1 st Week of June, 2024	Evolution of Man-Nature interaction: Agrarian society and industrial society	Chalk & Board lectures (study materials will be supplied in advance)
2 nd Week of June, 2024	Class Test on the topics covered till date	Class Test via Google Meet (Online mode)
3 rd Week of June, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
4 th Week of June, 2024	Human adaptation to environment: Case studies of Eskimo tribes	Chalk & Board/pdf lectures (study materials will be supplied in advance)
1 st Week of July, 2024	Human adaptation to environment: Case studies of Masai tribe	Chalk & Board lectures (study materials will be supplied in advance)

2 nd Week of July, 2024	Human adaptation to environment: Case studies of Santhal tribe (Primitive people of India)	Chalk & Board/video lectures (study materials will be supplied in advance)
3 rd Week of July, 2024	Human adaptation to environment: Case studies of Naga tribe (Primitive people of India)	Chalk & Board, pdf lectures/video lectures (study materials will be supplied in advance)
4 th Week of July, 2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1 st Week of August, 2024	Class Test covering the whole Unit Syllabus	Question - Answer

Assigned Classes: **Two (2) Classes per Week**

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

4TH SEMESTER

Course Name: CC-8(Introduction to Global economic system)

CC-10 (Digital Remote Sensing)

SEC-2 (Thematic Atlas)

Course Code: BSCHGEOC401, BSCHGEOC403, BSCHGEOSE402

Assigned Syllabus: Unit -2&3,Unit-2,Unit-1,2,3 and continue Assessment

Expected Time Span	Topics Covered	Teaching Method
---------------------------	-----------------------	------------------------

Last Week of February,2024	Introduction to global economic system and concept of location theory	Chalk & Board/pdf lectures (study materials will be supplied in advance)
1st week of March,2024	Agricultural location theory by Von Thunen	Chalk & Board/video lectures (study materials will be supplied in advance)
2nd & 3rd week of March,2024	Introduction and definition of Digital and Traditional image and Classification and Types of map.	Chalk & Board/Ppt/pdf lectures /video lectures (study materials will be supplied in advance)
1st & 2nd week of April ,2024	Industrial location theory by August Losch and Weber.	Chalk & Board/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of April,2024	Class Test on the topics covered till date	Mock test
4th week of April	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
1st & 2nd week of May,2024	Preparation of 5 different plates (Thematic atlas)of Jharkhand l in India	Chalk & Board/ppt/pdf lectures (study materials will be supplied in advance)
3rd Week of May,24	Types of agriculture and Forestry /Principles of map design	Chalk & Board/pdf lectures (study materials will be supplied in advance)
4th week of May and 1st week of June,2024	Industries and Mining activities/Advantages of digital mapping	Pdf/ppt lectures (study materials will be supplied in advance)
2nd week of June ,2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session

3rd Week of June,2025	Class Test covering the whole Unit Syllabus	Class Test via Offline/Google Form
--------------------------	--	---------------------------------------

Assigned Classes: **Eight (8) Classes per Week**

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

6TH SEMESTER

Course Name: DSE-3 (Biogeography)

DSE -4 (Soil Geography)

Course Code: BSCHGEOC602, BSCHGEODSE605

Assigned Syllabus: Unit- 1 and Unit-1,2,3 & 4.

Expected Time Span	Topics Covered	Teaching Method
Last Week of February,2024	Concept of soil, pedology, and pedogenic processes, soil functions	Chalk & Board/ppt/pdf lectures (study materials will be supplied in advance)
1st week of March,2024	Definition,nature,scope and content of Biogeography.	ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd week of March,2024	Factors of soil development, Concept of soil profile, profile development of Laterite soil	Chalk & Board/ppt/pdf lectures (study materials will be supplied in advance)
3rd week of March l ,2024	Profile development of Chernozem and Podzol soil	ppt/pdf lectures/video lectures (study materials will be supplied in advance)

4rd Week of March,2024	Class Test on the topics covered till date	Assignment
1st week of April ,2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
2nd week of April,,2024	Concept of soil fertility and factors affecting fertility	Chalk & Board/ppt/pdf lectures/video lectures (study materials will be supplied in advance)
3rd Week of April,20,24	Fertility improvement methods and Distribution of Indian soil.	Chalk & Board/ppt/pdf lectures (study materials will be supplied in advance)
4th week of April and 1st week of May,2024	Soil erosion, soil degradation, need and strategies of soil conservation, distribution	Ppt/pdf lectures/video lectures (study materials will be supplied in advance)
2nd week of May ,2024	One Remedial/Special Tutorial Class as per the performance of the Students so far	Discussion/Interactive Session
3rd week of May ,2024	Class Test covering the whole Unit Syllabus	Class Test via Offline Mode/Google Form/Google Quiz

Assigned Classes: **Five(5)Classes per week**

Note: Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.

**Banwarilal Bhalotia College, Asansol
Department of Geography (Day Shift)**

Curriculum/Teaching Plan of the Academic Year 2023-24



Name of Teacher/Course Instructor: **Disha Sengupta**

1st Semester

Course Name: MJC1 Introduction to Physical Geography

SEC1 Elementary Practicals in Physical Geography

Course Code: **BSCGEOMJ101**

BSCGEOSE101

Assigned Syllabus: **MJC1: 1.2,1.5,1.6,1.7,1.8**

SEC1: UNIT 2- 2.1,2.2

Expected Time Span	Topics Covered	Teaching Method
1 st week of September, 2023	The Solid Earth: Earth's tectonic and structural evolution through geological timescales; Basics of Geochronology Introduction to Geological Maps with Geological Time Scale	Chalk & Board Using Geological Maps
2 nd week of September, 2023	Earth's atmosphere: Insolation (Layers of Atmosphere, Solar Constant, Determinants of Insolation, Heat Budget, Horizontal Heat Flow)	Chalk & Board
3 rd week of September, 2023	Pressure belts; Planetary wind system (why the pressure belts are there, Importance) Formation of Rock Beds in Geological Maps, Strike Formation, Dip measurement	Chalk & Board/ Using Geological Maps
4 th week of September, 2023	Greenhouse effect and global warming Geological Map Identification and Profile Drawing	Chalk & Board/ Using Geological Maps

1 st week of October, 2023	Earth's hydrosphere: Global hydrological cycle; Analysis of geological maps – Horizontal Structure and Interpretation	Chalk & Board Using Geological Maps
2 nd week of October, 2023	Ocean circulation - major ocean currents (Pacific and Atlantic) Analysis of geological maps – Horizontal Structure and Interpretation	Chalk & Board Using Geological Maps
3 rd week of October, 2023	Earth's biosphere: Major Biomes of the world (Tropical Rainforest, Temperate Grassland and Tundra) Analysis of geological maps – Uniclinal Structure and Interpretation	Chalk & Board Using Geological Maps
1 st week of November, 2023	Classification of forest (Champion) Analysis of geological maps – Uniclinal Structure and Interpretation	Chalk & Board Using Geological Maps
2 nd week of November, 2023	Revision of Previous Theory Topics and Remedial Examination on Theory classes Revision on Horizontal and Uniclinal Structures	Remedial Examination Using Geological Maps
4 th week of November, 2023	Earth's pedosphere: Concept of Zonal, Azonal and Intrazonal Soil; Analysis of geological maps – Folded Structure and Interpretation	Chalk & Board Using Geological Maps
5 th week of November, 2023	Soil erosion and Conservation (Methods, Merits and areas of Application) Analysis of geological maps – Folded Structure and Interpretation	Chalk & Board Using Geological Maps

1 st week of December, 2023	Preparation of PowerPoint Presentation on theory topics Analysis of geological maps – Folded Structure and Interpretation	PPT Using Geological Maps
3 rd Week of December, 2023	Revision of Previous Theory Topics Revision on Three structures on Geological Maps- Climate	Chalk & Board Using Geological Maps
4 th Week of December, 2023	Interpretation writing Practices Revision of Previous Theory Topics- Ocean	Laboratory Notebook
1 st week of January, 2024	Measurement of dip and strike using clinometer Revision of Previous Theory Topics- Soil	Chalk & Board Using Geological Maps
3 rd week of January, 2024	Measurement of dip and strike using clinometer – Final Sheet Preparations Revision of Previous Theory Topics- Forest	Chalk & Board Using Geological Maps
4 th week of January, 2024	Landform identification from Google Earth; Revision of Previous Theory Topics- Biogeography	Google Earth Image
2 nd Week of February, 2024	Preparation of data inventory in Physical Geography (Seismic data, Hydro-meteorological data)	Google Search Engine
12 and 13 th of February, 2024	Preparation of data inventory in Physical Geography (Seismic data, Hydro-meteorological data, Soil data)	Google Search Engine
4 th Week of February, 2024	Measurement of pebble shape using Slide Caliper Measurement of pebble shape using Slide Caliper- Final Sheet Preparation	Chalk & Board Using Geological Maps

5 th Week of February, 2024	Remedial Classes theoretical and practical portions	Discussion Laboratory Notebook Checking
1 st Week of March,2024	Short and Broad question Answer Discussion theoretical and practical portions	Discussion Laboratory Notebook Checking
2 nd Week of March, 2024	Short and Broad question Answer Discussion theoretical and practical portions	Discussion Laboratory Notebook Checking

- **Study materials will be supplied in advance**
- **Final Sheets as Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**
- **Class tests have been taken by offline mode.**
- **PPT Presentation on theory paper.**

Banwarilal Bhalotia College, Asansol
Department of Geography (Day Shift)
Curriculum/Teaching Plan of the Academic Year 2023-24

Name of Teacher/Course Instructor: Disha Sengupta

3rd Semester

Course Name: CC-6 Geography of India

CC- 7 Fundamentals of Remote Sensing

SEC-1 Geographical Techniques

Course Code: BSCHGEOC302

BSCHGEOC303

BSCHGEOSE302

Assigned Syllabus: CC-6- Unit 4, 5 & Assignment

CC-7- Unit 2 & 4

SEC-1- Unit 1

Expected Time Span	Topics Covered	Teaching Method
1 st week of September, 2023	Regionalisation of India- Introduction, Scopes Content Nature Concept of Aerial Photography	Chalk & Board
2 nd week of September, 2023	Regionalisation of India – Major Divisions and Evolution of Regional Geography Geological Map: uniclinal structure	Chalk & Board/ Using Aerial Images/ Geological Maps
3 rd week of September, 2023	Physiographic Regionalisation (R. L. Singh), Socio-Cultural Regionalisation (Sopher), Principles, Types and Geometry of Aerial Photography Geological Map uniclinal structure	Chalk & Board/ Using Aerial Images/ Geological Maps
4 th week of September, 2023	Economic (Sengupta) and Preparation of Assignment on One Macro Region Principles, Types and Geometry of Aerial Photograph/ Geological Map Horizontal structure	Chalk & Board/ Using Aerial Images/ Geological Maps
1 st week of October, 2023	Spatial Patterns of Industrial Development of India Land use/ Land Cover Mapping: Visual Interpretation of Aerial photographs Geological Map Horizontal structure	Chalk & Board/ Using Aerial Images/ Geological Maps
2 nd week of October, 2023	Spatial Patterns of Industrial Development of India: Automobile Industry	Chalk & Board/ Using Aerial

	Land use/ Land Cover Mapping: Visual Interpretation of Aerial photographs	Images/ Geological Maps
3 rd week of October, 2023	Spatial Patterns of Industrial Development of India: Information Technology Land use/ Land Cover Mapping: Visual Interpretation of Aerial photographs/ Geological Map folded structure	Chalk & Board/ Using Aerial Images/ Geological Maps
1 st week of November, 2023	Problems regarding Industries and Discussion Practical Project/ Geological Map folded structure	Chalk & Board/ Using Aerial Images/ Geological Maps
2 nd week of November, 2023	Short and Broad Question Answer writing Geological Map Interpretation	Chalk & Board/ Using Aerial Images/ Geological Maps
4 th week of November, 2023	Remedial Classes on Theory Topics as well as Practical Topics	Chalk & Board/ Using Aerial Images/ Geological Maps
5 th week of November, 2023	Remedial Examinations have been taken both theory and Practical Papers	Chalk & Board/ Using Aerial Images/ Geological Maps
1 st week of December, 2023	Short and Broad Question Answer writing Revision of Aerial Photography and Geological Maps- Interpretation Practices	Chalk & Board/ Using Aerial Images/ Geological Maps
3 rd week of December, 2023	Short and Broad Question Answer writing Laboratory Notebook Checking Revision of Aerial Photography and Geological Maps- Interpretation Practices	Chalk & Board/ Using Aerial Images/ Geological Maps
4 th week of December, 2023	Short and Broad Question Answer writing Laboratory Notebook Checking Revision of Aerial Photography and Geological Maps- Interpretation Practices	Chalk & Board/ Using Aerial Images/ Geological Maps
1 st Week of January	Short and Broad Question Answer writing Laboratory Notebook Checking	Chalk & Board/ Using Aerial

		Images/ Geological Maps
--	--	-------------------------

- Study materials will be supplied in advance
- Final Sheets as Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.
- Class tests have been taken in offline mode.

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

Curriculum/Teaching Plan of the Academic Year 2023-24

Name of Teacher/Course Instructor: Disha Sengupta

5th Semester

Course Name: CC 11 Regional Planning and Sustainable Development

DSE2 Hydrology

CC12 Field Techniques

Course Code: BSCHGEOC501

BSCHGEODSE504

Assigned Syllabus: CC11 – Unit 1,2,3

DSE2- 4,5, Assignment

Expected Time Span	Topics Covered	Teaching Method
1 st week of September, 2023	Concept of Region: Nature, Scope and Content of Regionalisation	Chalk & Board
2 nd week of September, 2023	Concept of Region; Formal, Functional, and Planning Regions; Evolution	Chalk & Board
3 rd week of September, 2023	Need and Types of Regional Planning: Spatial Importance	Chalk & Board
4 th week of September, 2023	Choice of a Region for Planning: Characteristics of Planning Region	Chalk & Board

	River Basin: Characteristics and problems of river basins	
1 st week of October, 2023	Delineation of Planning Region; Regionalization of India for Planning, Agro- Ecological Zones Basin surface run-off, and measurement of river discharge.	Chalk & Board
2 nd week of October, 2023	Theories and Models for Regional Planning: Myrdal, Hirschman, Rostow and Friedman	Chalk & Board
3 rd week of October, 2023	Growth Pole Model of Perroux; Village Cluster Watershed management - with reference to DVC	Chalk & Board
1 st week of November, 2023	River Water Dispute: Kaveri and Teesta River water dispute – Contemporary issues also have discussed	Chalk & Board
2 nd week of November, 2023	Remedial Exam taken on Regional Planning Later Short and Broad Questions discussion and writing Assignment done on River basin Management	Chalk & Board
4 th week of November, 2023	Assignment done on River basin Management Assignment Submission and Checked, Doubts Cleared	Discussion
5 th week of November, 2023	Remedial Exam taken on Regional Planning Later Short and Broad Questions discussion and writing	Discussion
1 st week of December, 2023	Short and Broad Questions discussion and writing	Discussion

- **Study materials will be supplied in advance**
- **Final Sheets as Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**
- **Class tests have been taken in offline mode.**

2nd Semester

Course Name: MJC2 Fundamentals of human Geography

SEC2 Elementary Practicals in Human Geography

Course Code: BSCGEOMJ201

BSCGEOSE101

Assigned Syllabus: MJC1: 2.1, 2.2, 2.3, 2.8

SEC1: UNIT 2- 2.1,2.2

Expected Time Span	Topics Covered	Teaching Method
1 st week of April, 2024	Population geography and demography Population growth and distribution	Chalk & Board
2 nd week of April, 2024	Population composition (Age-Sex composition)	Chalk & Board
3 rd week of April, 2024	Theories of population: Malthusian and demographic transition Measurement of inequality by Lorenz curve	Chalk & Board
4 th week of April, 2024	Theories of population: Malthusian and demographic transition Measurement of inequality by Lorenz curve	Chalk & Board
5 th week of April, 2024	ONLINE CLASSES Population-resource regions by E. A.Ackerman Measurement of inequality by Gini Coefficient	Online Discussion
1 st week of May, 2024 (From 4 th May)	ONLINE CLASSES Population-resource regions by W. Zelinsky Analysis of occupation structure by Pie Diagram	Online Discussion
2 nd week of May, 2024	ONLINE CLASSES Population and environment relations with special reference to development-environment conflict Computation of Human Development Index (HDI),	Online Discussion

3 rd week of May, 2024 (to 20 th May)	ONLINE CLASSES Indicators of social well-being; Human development Computation of Human Development Index (HDI),	Online Discussion
4 th week of May, 2024	Remedial Exam taken Indicators of social well-being; Human development Later Short and Broad Questions discussion and writing	Chalk & Board
5 th week of May, 2024	Remedial Exam taken Later Short and Broad Questions discussion and writing	Discussion

- **Study materials will be supplied in advance**
- **Final Sheets as Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**
- **Class tests have been taken in offline mode.**

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

Curriculum/Teaching Plan of the Academic Year 2023-24

Name of Teacher/Course Instructor: Disha Sengupta

4th Semester

**Course Name: CC9: Environment and Natural Resource
Management**

CC10: Environment and Natural Resource Management

SEC 02: Thematic Atlas

Course Code: BSCHGEOC402

BSCHGEOC403

BSCHGEOSE402

Assigned Syllabus: CC9 – Unit 3, 4 & Assignment

CC 10- Unit 4,5

SEC 2- Unit 3

Expected Time Span	Topics Covered	Teaching Method
2 nd week of February, 2024	Natural Resource: Concept, Classification, Neutral Staff, threefold Discussion on Research	Chalk & Board
3 rd week of February, 2024	Distribution, Utilisation, Problems and Management of Resource	Chalk & Board
4 th week of February, 2024	Distribution, Utilisation, Problems and Management of Land resource Application of Digital Remote Sensing in Urban Studies with special reference to Urban Sprawl Analysis	Chalk & Board Computer Lab
5 th week of February, 2024	Land resource in India, Five Year Plans and resource utilisation Application of Digital Remote Sensing in Urban Studies with special reference to Urban Sprawl Analysis	Chalk & Board Computer Laboratory
1 st week of March, 2024	Distribution, Utilisation, Problems and Management of Water Application of Digital Remote Sensing in Urban Studies with special reference to Urban Sprawl Analysis	Chalk & Board Computer Laboratory
2 nd week of March, 2024	Distribution, Utilisation, Problems and Management of Forest Mapping and Interpretation in Computer Laboratory	Chalk & Board Computer Laboratory
4 th week of March, 2024	Distribution, Utilisation, Problems and Management of Energy Mapping and Interpretation in Computer Laboratory	Chalk & Board Computer Laboratory
1 st week of April, 2024	Water Disputes, Forest Act, Types of Planning and their relation to development	Chalk & Board Computer Laboratory

	Application of Remote Sensing in weather (tropical cyclones) studies and natural hazards (floods) Computer Laboratory Practice	
2 nd week of April, 2024	Application of Remote Sensing in weather (tropical cyclones) studies and natural hazards (floods) Computer Laboratory Practice	Chalk & Board Computer Laboratory
3 rd week of April, 2024	Computer Laboratory Practice Maps – Classification and Types; Principles of Map Design	Discussion Computer Laboratory
4 th week of April, 2024	Computer Laboratory Practice Maps – Classification and Types; Principles of Map Design (cont.)	Discussion Computer Laboratory
5 th week of April, 2024	ONLINE CLASSES Assignment on Local Environmental Issues Maps – Classification and Types; Principles of Map Design (cont.)	Discussion
1 st week of May, 2024 (From 4 th May)	ONLINE CLASSES Discussion and checking of assignments Maps – Classification and Types; Principles of Map Design (cont.)	PPT & Discussion
2 nd week of May, 2024	ONLINE CLASSES Problems discussed on computer application	PPT & Discussion
3 rd week of May, 2024 (to 20 th May)	ONLINE CLASSES Viva taken on Assignment Problems discussed on computer application	PPT & Discussion
4 th week of May, 2024	Remedial Exam taken Later Short and Broad Questions discussion and writing	Discussion

	Checking SEC Assignment	
5 th week of May, 2024	Remedial Exam taken Later Short and Broad Questions discussion and writing	Discussion

- Study materials will be supplied in advance
- Final Sheets as Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.
- Class tests have been taken in offline mode.

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

Curriculum/Teaching Plan of the Academic Year 2023-24

Name of Teacher/Course Instructor: **Disha Sengupta**

6th Semester

Course Name: CC 13: Evolution of Geographical Thought

Disaster Management Project Work

Soil Geography

Course Code: BSCHGEOC601

BSCHGEODSE605

BSCHGEOC602

Assigned Syllabus: CC13 – Unit 4, 5 & Assignment

DSEC-4 Unit 5

CC 10- Unit 4,5

Expected Time Span	Topics Covered	Teaching Method
--------------------	----------------	-----------------

2 nd week of February, 2024	Paradigms and Paradigm shift in Geography- contexts Master Table completion from Survey for the Project on ‘Social Dimension of Disaster in Chargheri village area, Sundarban’	Chalk & Board
3 rd week of February, 2024	Paradigms and Paradigm shift in Geography- types, evolution Literature Review Writing	Chalk & Board
4 th week of February, 2024	Quantitative to Critical Revolution Literature Review Writing	Chalk & Board
5 th week of February, 2024	Quantitative to Critical Revolution Formed the Maps and statistical diagrams	Chalk & Board
1 st week of March, 2024	Modernism to Post Modernism- time, characters, similarities and dissimilarities Final sheets signature on Project	Chalk & Board
2 nd week of March, 2024	Post Modernisation- a Paradigmatic Shift Analysis Writing	Chalk & Board
4 th week of March, 2024	Recent Trends –Systems Approach, System analysis, importance in geography Analysis Writing	Chalk & Board
1 st week of April, 2024	Radicalism, Feminism- evolution, Character, impact on the discipline Analysis Writing	Chalk & Board
2 nd week of April, 2024	Concept of Space in Geography, Sorted References	Chalk & Board
3 rd week of April, 2024	Future off Geography Sorted References	Discussion

4 th week of April, 2024	Photograph collection, final binding of the project	Discussion
5 th week of April, 2024	ONLINE CLASSES Project Related Discussion, Practice for Viva USDA classification of Soils, types of soil survey	PPT & Discussion Through Online
1 st week of May, 2024 (From 4 th May)	ONLINE CLASSES Project Related Discussion, Practice for Viva USDA classification of Soils, types of soil survey (CONT)	PPT & Discussion Through Online
2 nd week of May, 2024	ONLINE CLASSES USDA classification of Soils, types of soil survey (CONT)	PPT & Discussion Through Online
3 rd week of May, 2024 (to 20 th May)	ONLINE CLASSES Project Related Discussion, Practice for Viva	PPT & Discussion Through Online
4 th week of May, 2024	Remedial Exam taken Later Short and Broad Questions discussion and writing	Discussion
5 th week of May, 2024	Remedial Exam taken Later Short and Broad Questions discussion and writing	Discussion

- **Study materials will be supplied in advance**
- **Final Sheets as Home Assignments will be allotted to the students after each class. Students should submit those assignments within due time as mentioned by the Teacher/Course Instructor.**
- **Class tests have been taken in offline mode.**

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

Curriculum/Teaching Plan for **Odd Semesters** of the Academic Year 2023-24



Name of the Teacher/Course Instructor: Sayantani Roy

Honours Course

5th Semester

Course Name: Regional Planning and Sustainable Development
Field Techniques, Surveying and Research Methods
Geography of West Bengal

Course Code: CC-11, CC-12, DSE-1

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September, 2023</i>	Field Techniques – Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non-Participant), Questionnaires (Open/ Closed / Structured / Nonstructured)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2023</i>	Remedial classes for the weak students	Chalk board/ppt/pdf lectures/video lectures (study materials will be

		supplied after completion of the topics)
<i>4th week of September, 2023</i>	Field Techniques – Merits, Demerits and Selection of the Appropriate Technique; Observation (Participant / Non-Participant), Questionnaires (Open/ Closed / Structured / Nonstructured)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Remedial classes for the weak students	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of October, 2023</i>	Sustainable Development: Concept of Development and Underdevelopment	Discussion/interactive session
<i>1st week of November, 2023</i>	Remedial classes for the weak students	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Efficiency Equity Debate: Definition, Components and Sustainability for Development. Indicators (Economic, Social and Environmental)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Designing the Field Report – Aims and Objectives, Methodology, Analysis, Interpretation and Writing the Report	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	Remedial classes for the weak students	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Developmental Problems and Potentials of West Bengal: Deforestation and Joint Forest Management.	Chalk board/ppt/pdf lectures/video lectures (study materials will be

		supplied after completion of the topics)
<i>1st week of December, 2023</i>	Special Economic Zones, Regional Dimension of Human Development Financing for Sustainable Development	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

Curriculum/Teaching Plan for **Odd Semesters** of the Academic Year 2023-24



Name of the Teacher/Course Instructor: Sayantani Roy

3rd Semester

Course Name: Climatology and Oceanography
Fundamentals of Remote Sensing
Geographical Techniques

Course Code: CC-5, CC-7, SEC-1

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>2nd week of September, 2023</i>	Atmospheric composition and structure :variation and altitude, latitude and season. Insolation and Temperature.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of September, 2023</i>	Heat Budget . Inversion of Temperature	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of September, 2023</i>	Atmospheric Pressure and Winds: Planetary Winds, Forces affecting Winds, General Circulation of Air, Jet Streams	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Class Test	Pen and paper
<i>4th week of October, 2023</i>	Cyclones: Tropical Cyclones, Temperate Cyclones; Monsoon - Origin and Mechanism with special reference to Jet Stream; El Nino and La Nina	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of November, 2023</i>	Ppt presentation on climatic classification	Through Smart Board
<i>2nd week of November, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of November, 2023</i>	Atmospheric Pressure and Winds: Planetary Winds, Forces affecting Winds, General Circulation of Air, Jet Streams	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of November, 2023</i>	Application of Remote Sensing: Forests Monitoring, Water Resources and Natural hazards.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of December, 2023</i>	Remote Sensing :definition,development,platformsand types	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of December</i>	Soil test : soil pH by soil kit	Discussion/interactive session
<i>1st week of January</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of January</i>	Soil test: NPK	Discussion/interactive session
<i>4th week of January</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol
Department of Geography (Day Shift)
Curriculum/Teaching Plan for Odd Semesters of the Academic Year 2023-24



Name of the Teacher/Course Instructor: Sayantani Roy

1st Semester

Course Name: Geomorphology
Cartographic Techniques

Course Code: CC-1, CC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>4th week of September, 2023</i>	Earth as a planet : Immanuel Kant and Laplace	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of October, 2023</i>	Fundamental Concepts; Earth: Internal Structure	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of October, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of November, 2023</i>	Earth Movements: Isostasy (Airy and Pratt)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of November, 2023</i>	Applied Geomorphology and Environment with reference to Ground Water	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of November, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>4th week of November, 2023</i>	Topographical Maps (Open and Defence Series maps, RF 1:50,000) – Introduction to numbering system of Topographical Maps	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>5th week of November, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of December, 2023</i>	Analysis of Physical and Cultural features and interrelationship, Interpretation using Transect Chart (Plateau/plain region)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week & 3rd Week of December, 2023</i>	Slope Analysis (Wentworth's method)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of December, 2023</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1ST week of January</i>	Analysis of Physical and Cultural features and interrelationship, Interpretation using Transect Chart (Plateau/plain region)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of January</i>	Remedial classes for the weak students	Discussion/interactive session
<i>4th week of January</i>	Topographic Profiles-Introduction and Plotting of Cross and Longitudinal Profiles along a River.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of February, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

<i>2nd week of February, 2024</i>	Continental drift, Sea floor Spreading with special reference to Paleomagnetism	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of February, 2024</i>	Morphometric Technique(10cm*12cm) Relative Relief, Average Slope	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of February, 2024</i>	Drainage Density and Stream Frequency	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1^{ST AND 2^{DT}}</i> week of <i>March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

Curriculum/Teaching Plan for **Odd Semesters of the Academic Year 2023-24**



Name of the Teacher/Course Instructor: Sayantani Roy

6th Semester

Course Name: Evolution of Geographical Thought
Biogeography
Soil Geography

Course Code: CC-13, DSE-3, DSE-4

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of February, 2024</i>	Pre Morden Geography -Greek, Roman, Arab (Ancient and Mediaval)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of February, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of March, 2024</i>	Modern Geography-Trend of Germany, France, Britain, United States of America	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of March, 2024</i>	Ecological Succession, Stages and climax. Bio-diversity hotspot,conservation.	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session)
<i>5th week of March, 2024</i>	Tiger and elephant project in India	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Soil fertility improvement method :sample collection	Field work
<i>2nd week of April, 2024</i>	Soil fertility improvement method testing	Laboratory work
<i>3rd Week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>4th week of April,2024</i>	Soil fertility improvement method testing	Laboratory work
<i>2nd week of May,2024</i>	Soil fertility improvement method testing	Laboratory work
<i>3rd week of May,2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

Curriculum/Teaching Plan for **Odd Semesters** of the Academic Year 2023-24



Name of the Teacher/Course Instructor: Sayantani Roy

4th Semester

Course Name: Introduction to Global Economic System
Digital Remote Sensing
Thematic Atlas

Course Code: CC-8, , CC-10, SEC-2

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
<i>3rd week of February, 2024</i>	Introduction to global economic system: economic Activities	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of February, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

<i>1st week of March, 2024</i>	Special Economic Zone, Technology Park	topics Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the)
<i>2nd week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>3rd week of March, 2024</i>	Role of Transport, Trade and service in Economic	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of March, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>5th week of March, 2024</i>	EMR Interaction with Atmosphere and Earth Surface; Concept of Image Processing (Digital and Visual): Pre-processing (Atmospheric, Radiometric and Geometric Correction);	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>2nd week of April, 2024</i>	Enhancement (Filtering); Classification (Supervised and Un-supervised)	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Global Distribution of cotton textile, Iron and steel	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive session
<i>1st week of May, 2024</i>	Global Distribution of cotton textile, Iron and steel	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of May, 2024</i>	Line graph, Bar graph, pie graph,	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd Week of May, 2024</i>	Proportional circle, point, line and areal data	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)

<i>4th week of May, 2024</i>	Rainfall Dispersion Diagram	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of June, 2024</i>	Line graph showing trend of population growth, Beta index	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>2nd week of June, 2024</i>	Remedial classes for the weak students	Discussion/interactive session

Banwarilal Bhalotia College, Asansol

Department of Geography (Day Shift)

Curriculum/Teaching Plan for **Odd Semesters of the Academic Year 2023-24**



Name of the Teacher/Course Instructor: Sayantani Roy

2nd Semester

Course Name: Geography of Human and Cultural landscape
Statistical Method in Geography

Course Code: CC-3, CC-4

<i>Expected Time Span</i>	<i>Topics Covered</i>	<i>Teaching Method</i>
---------------------------	-----------------------	------------------------

<i>2nd week of april2024</i>	Space and society: concept and its component	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of April, 2024</i>	Remedial classes for the weak students	Discussion/interactive
<i>4th week of April, 2024</i>	Innovation, Diffusion, and Cultural convergence	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>1st week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive
<i>2nd week of May, 2024</i>	Correlation between Physical and Cultural Features by Transect Chart	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>3rd week of May, 2024</i>	Detour Index	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of May, 2024</i>	Remedial classes for the weak students	Discussion/interactive
<i>5th week of May, 2024</i>	Class test	Pen and paper
<i>1st Week of June, 2024</i>	Analysis of Settlement by Nearest Neighbour analysis	Chalk board/ppt/pdf lectures/video lectures (study materials will be supplied after completion of the topics)
<i>4th week of june2024</i>	Cultural Realms of the world	Chalk board/ppt/pdf lectures/video lectures (study materials will be
<i>1st week of july2024</i>	Remedial classes for the weak students	Discussion/interactive
<i>2nd week of july2024</i>	Language and Religion	Chalk board/ppt/pdf lectures/video lectures (study materials will be
<i>3rd week of july2024</i>	Remedial classes for the weak students	Discussion/interactive
<i>4th week of july2024</i>	Race and Ethnic Group	Chalk board/ppt/pdf lectures/video lectures (study materials will be
<i>1st week of august2024</i>	Remedial classes for the weak students	Discussion/interactive

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

**Curriculum/Teaching Plan for Even & Odd Semesters of the Academic Year
2023-24**

Name of Teacher/Course Instructor: Santosh Kumar Bhagat



1st Semester (BA 3 & 4 Year)

Course Name: Political Theory-I (Major)

Course Code: BAPLSMJ101

Assigned Syllabus: Unit 5, 6 & 7

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Democracy: Basic Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of September 2023	Democracy: Basic Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Classifications of Democracy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Classifications of Democracy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Classifications of Democracy	Discussion & Interaction with students

3 rd week of September 2023	Liberty: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Liberty: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Theories of liberty	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Theories of liberty	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of 2023	Theories of liberty	Discussion & Interaction with students
1 st week of October 2023	Equality: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Equality: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Theories of equality	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Theories of equality	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	Theories of equality	Discussion & Interaction with students
1 st week of November 2023	Theories of equality	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Rights: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Theories of rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Theories of rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Theories of rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Theories of rights	Discussion & Interaction with students

5 th week of November 2023	Justice: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Justice: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Rawlsian Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Rawlsian Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Rawlsian Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Rawlsian Theory of Justice	Discussion & Interaction with students
3 rd week of December 2023	Robert Nozick's Entitlement Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Robert Nozick's Entitlement Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of January 2024	Remedial classes	Discussion & Interaction with students
1 st week of January 2024	Remedial classes	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

1st Semester (4 Year)

Course Name: Political Theory-I (Minor)

Course Code: BAPLSMN101

Assigned Syllabus: Unit 5, 6 & 7

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Democracy: Basic Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of September 2023	Democracy: Basic Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Classifications of Democracy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Classifications of Democracy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Classifications of Democracy	Discussion & Interaction with students
3 rd week of September 2023	Liberty: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Liberty: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Theories of liberty	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Theories of liberty	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

1 st week of 2023	Theories of liberty	Discussion & Interaction with students
1 st week of October 2023	Equality: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Equality: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Theories of equality	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Theories of equality	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	Theories of equality	Discussion & Interaction with students
1 st week of November 2023	Theories of equality	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Rights: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Theories of rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Theories of rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Theories of rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Theories of rights	Discussion & Interaction with students
5 th week of November 2023	Justice: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Justice: Concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Rawlsian Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Rawlsian Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of December 2023	Rawlsian Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Rawlsian Theory of Justice	Discussion & Interaction with students
3 rd week of December 2023	Robert Nozick's Entitlement Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Robert Nozick's Entitlement Theory of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of January 2024	Remedial classes	Discussion & Interaction with students
1 st week of January 2024	Remedial classes	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

1st Semester (BA 3 & 4 Year)

Course Name: Democratic Awareness with Legal Literacy

Course Code: BAPLSSE101

Assigned Syllabus: Unit 1 & 2

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Features of Indian Constitution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Features of Indian Constitution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Fundamental Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Fundamental Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of September 2023	Fundamental Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Fundamental Rights	Discussion & Interaction with students
2 nd week of October 2023	Fundamental Duties	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Fundamental Duties	Discussion & Interaction with students
2 nd week of November 2023	Other Constitutional Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of November 2023	Other Constitutional Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Laws relating to dowry	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Laws relating to dowry	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Laws relating to dowry	Discussion & Interaction with students
3 rd week of December 2023	Sexual harassment and violence against women	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of January 2024	Sexual harassment and violence against women	Discussion & Interaction with students
2 nd week of January 2024	National Commission for Women.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of January 2024	National Commission for Women.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of January 2024	Remedial Classes	Discussion & Interaction with students
4 th week of January 2024	Remedial Classes	Discussion & Interaction with students
4 th week of January 2024	Remedial Classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

BA Honours in Political Science 3rd Semester

Course Name: Political Sociology

Course Code: BAHPOLSC303

Assigned Syllabus: All 7 Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Nature of Political Sociology	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Nature of Political Sociology	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Scope of Political Sociology	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Scope of Political Sociology	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Sociology of Politics and Political Sociology	Discussion & Interaction with students
3 rd week of September 2023	Sociology of Politics and Political Sociology	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Social Stratification and Politics: Caste	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Social Stratification and Politics: Caste	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Concept and theories of Class	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of September 2023	Concept and theories of Class	Discussion & Interaction with students
4 th week of September 2023	Concept and theories of Class	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Concept and theories of Elite	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Concept and theories of Elite	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Concept and theories of Elite	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Concept and theories of Power	Discussion & Interaction with students
2 nd week of October 2023	Concept and theories of Power	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Concept and theories of Power	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Influence and Authority	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Weberian Theory of Authority	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	Political Culture: Meaning and Types	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Political Culture: Types (Gabriel Almond and Sidney Verba)	Discussion & Interaction with students
1 st week of November 2023	Political Culture: Types (S.E. Finer)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Political Culture: Types (Gabriel Almond)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Political Socialization: Meaning and Agencies	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Political Socialization: Meaning and Agencies	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of November 2023	Social Mobility: Concept and Typology	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Social Mobility: Concept and Typology	Discussion & Interaction with students
5 th week of November 2023	Theories of Political Parties	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Theories of Political Parties	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Theories of Political Parties	Discussion & Interaction with students
2 nd week of December 2023	Theories of Pressure Groups	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Theories of Pressure Groups	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Differences between Political Parties and Pressure Groups	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Differences between Political Parties and Pressure Groups	Discussion & Interaction with students
3 rd week of December 2023	Remedial Classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial Classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial Classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial Classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

BA Honours in Political Science 5th Semester

Course Name: Human Rights: Theory and Practice

Course Code: BAHPLSDSE501

Assigned Syllabus: All 5 Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Meaning of Human Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Meaning of Human Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Brief history of human rights (UDHR)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Brief history of human rights (UDHR): Significance and its provisions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Brief history of human rights (UDHR): Significance and its provisions	Discussion & Interaction with students
3 rd week of September 2023	Brief history of human rights (UDHR): Significance and its provisions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Human rights – Terrorism (Interrelations)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Human rights – Terrorism (Interrelations)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Human rights – Terrorism (Interrelations)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of September 2023	Human rights – Counter-terrorism	Discussion & Interaction with students
4 th week of September 2023	Human rights – Counter-terrorism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Human rights – Counter-terrorism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Indian Constitution and protection of human rights: Fundamental rights, DPSP & NHRC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Indian Constitution and protection of human rights: Fundamental rights, DPSP & NHRC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Indian Constitution and protection of human rights: Fundamental rights, DPSP & NHRC	Discussion & Interaction with students
2 nd week of October 2023	Indian Constitution and protection of human rights: Fundamental rights, DPSP & NHRC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	National Human Rights Commission-Composition and functions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	National Human Rights Commission-Composition and functions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	National Human Rights Commission-Composition and functions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	National Human Rights Commission-Composition and functions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Relevance of National Human Rights Commission	Discussion & Interaction with students
1 st week of November 2023	Relevance of National Human Rights Commission	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Human Rights Movements in India-Evaluation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Human Rights Movements in India-Evaluation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Human Rights Movements in India-Evaluation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of November 2023	Nature of Human Rights Movements in India	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Nature of Human Rights Movements in India	Discussion & Interaction with students
5 th week of November 2023	Nature of Human Rights Movements in India	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Challenges and prospects of Human Rights Movements in India	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Challenges and prospects of Human Rights Movements in India	Discussion & Interaction with students
2 nd week of December 2023	Challenges and prospects of Human Rights Movements in India	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	PUCL	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Amnesty International	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Dalit, Adivasi and Women's movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Dalit, Adivasi and Women's movement	Discussion & Interaction with students
3 rd week of December 2023	Remedial Classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial Classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial Classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

2nd Semester (BA 3 & 4 Year)

Course Name: Political Theory-II (Major)

Course Code: BAPLSMJ201

Assigned Syllabus: Unit 3, 4 & 5

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Gramsci's concept of hegemony	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Gramsci's concept of hegemony	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Gramsci's concept of hegemony	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Theory of Revolution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Theory of Revolution of Lenin	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Theory of Revolution of Lenin	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Theory of Revolution of Mao	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Theory of Revolution of Mao	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Marxian theory of Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

1 st week of May, 2024	Marxian theory of Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Marxian theory of Party: Lenin's contribution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Marxian theory of Party: Lenin's contribution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Marxian theory of Party: Lenin's contribution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Lenin-Rosa Luxemburg Debate on Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Lenin-Rosa Luxemburg Debate on Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Lenin-Rosa Luxemburg Debate on Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Marxist state	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Marxist state	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

2nd Semester (BA 3 & 4 Year)

Course Name: Indian Constitutional Development (SEC)

Course Code: BAPLSSE201

Assigned Syllabus: Unit 5, 6, 7 & 8

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Government of India Act of 1935: Main Provisions (in detail)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Government of India Act of 1935: Main Provisions (in detail)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Provisional Autonomy and Federal System	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Provisional Autonomy and Federal System	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Cripp's Mission Plan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Cripp's Mission Plan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Cabinet Mission Plan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Indian Independence Act of 1947: Main Provisions.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Indian Independence Act of 1947: Main Provisions.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

2nd Semester (BA 3 & 4 Year)

Course Name: Political Theory-II (Minor)

Course Code: BAPLSMN201

Assigned Syllabus: Unit 3, 4 & 5

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Gramsci's concept of hegemony	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Gramsci's concept of hegemony	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Gramsci's concept of hegemony	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Theory of Revolution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Theory of Revolution of Lenin	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Theory of Revolution of Lenin	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Theory of Revolution of Mao	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Theory of Revolution of Mao	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Marxian theory of Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

1 st week of May, 2024	Marxian theory of Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Marxian theory of Party: Lenin's contribution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Marxian theory of Party: Lenin's contribution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Marxian theory of Party: Lenin's contribution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Lenin-Rosa Luxemburg Debate on Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Lenin-Rosa Luxemburg Debate on Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Lenin-Rosa Luxemburg Debate on Party	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Marxist state	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Marxist state	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

4th Semester (BA Honours in Political Science)

Course Name: Indian Government and Politics

Course Code: BAHPOLSC402

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Introduction to Indian Constitution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Features of Indian Constitution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Framing of the Indian Constitution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Role of the Constituent Assembly	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Role of the Constituent Assembly	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	The Preamble	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	The Preamble	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Fundamental Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of April, 2024	Fundamental Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Fundamental Duties	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Fundamental Duties	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Directive principles of State policy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Directive principles of State policy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Nature of Indian Federalism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Nature of Indian Federalism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Nature of Indian Federalism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Union state relations.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Union state relations.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	President – election, power and position	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	President – election, power and position	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Vice President- election, power and position	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Constitutional amendment: Procedures	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Prime Minister- power and position	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of May, 2024	Prime Minister- power and position	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Council of Ministers	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Relationship of President and Prime Minister.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Union legislature: Rajya Sabha: Composition and functions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Union legislature: Rajya Sabha: Composition and functions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Union legislature: Lok Sabha: Composition and functions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Santosh Kumar Bhagat

6th Semester (BA Honours in Political Science)

Course Name: Project (CC14)

Course Code: BAHPLSC602

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Introduction to project work	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	How to write an Academic Project (special emphasis will be given on Research Methodology as advised in Curriculum)	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Thinking Like a Researcher	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Scientific Research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Scientific Research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	The Cycle of Research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	The Cycle of Research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Types of Scientific Research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of April, 2024	Types of Scientific Research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Concepts, constructs and variables	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Concepts, constructs and variables	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	The theoretical and empirical planes of research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	The theoretical and empirical planes of research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Propositions and Hypotheses	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Propositions and Hypotheses	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Theories and Models	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Theories and Models	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	The Research Process	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Paradigms of Social Research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Four paradigms of social science research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Four paradigms of social science research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Overview of the Research Process	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Overview of the Research Process	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of May, 2024	Overview of the Research Process	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Common Mistakes in Research or writing in Academic Project	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Common Mistakes in Research or writing in Academic Project	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Theories in Scientific Research	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Building Blocks of a Theory	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Research Design: Key Attributes of a Research Design	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol
Department of Political Science (Hindi Shift)
Curriculum/Teaching Plan for Even & Odd Semesters of the Academic Year
2023-24

Name of Teacher/Course Instructor: Pawan Gurung



1st Semester (BA 3 & 4 Year)

Course Name: Political Theory-I (Major)

Course Code: BAPLSMJ101

Assigned Syllabus: Unit 1, 2, 3 & 4

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	What is Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of September 2023	What is Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Approaches to the study of politics: Normative	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Approaches to the study of politics: Normative	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Approaches to the study of politics: Empirical	Discussion & Interaction with students

3 rd week of September 2023	Approaches to the study of politics: Empirical	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Approaches to the study of politics: Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Approaches to the study of politics: Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Approaches to the study of politics: Post-Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of 2023	Approaches to the study of politics: Post-Behavioral	Discussion & Interaction with students
1 st week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Social contract Theory: Hobbes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	Social contract Theory: Hobbes	Discussion & Interaction with students
1 st week of November 2023	Social contract Theory: Locke	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Social contract Theory: Locke	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Social contract Theory: Rousseau	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Social contract Theory: Rousseau	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Nature of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Nature of State	Discussion & Interaction with students

5 th week of November 2023	Nature of State: Idealist	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Nature of State: Idealist	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Nature of State: Liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Nature of State: Liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Nature of State: Neo-liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Nature of State: Neo-liberal	Discussion & Interaction with students
3 rd week of December 2023	Sovereignty: Basic concept	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Sovereignty: Monistic Theory	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of January 2024	Sovereignty: Monistic Theory	Discussion & Interaction with students
1 st week of January 2024	Sovereignty: Pluralistic Theory	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students
3 rd week of January 2024	Remedial classes	Discussion & Interaction with students
3 rd week of January 2024	Remedial classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

1st Semester (4 Year)

Course Name: Political Theory-I (Minor)

Course Code: BAPLSMN101

Assigned Syllabus: Unit 1, 2, 3 & 4

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	What is Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of September 2023	What is Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Approaches to the study of politics: Normative	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Approaches to the study of politics: Normative	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Approaches to the study of politics: Empirical	Discussion & Interaction with students
3 rd week of September 2023	Approaches to the study of politics: Empirical	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Approaches to the study of politics: Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Approaches to the study of politics: Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Approaches to the study of politics: Post-Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

1 st week of 2023	Approaches to the study of politics: Post-Behavioral	Discussion & Interaction with students
1 st week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Social contract Theory: Hobbes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	Social contract Theory: Hobbes	Discussion & Interaction with students
1 st week of November 2023	Social contract Theory: Locke	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Social contract Theory: Locke	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Social contract Theory: Rousseau	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Social contract Theory: Rousseau	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Nature of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Nature of State	Discussion & Interaction with students
5 th week of November 2023	Nature of State: Idealist	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Nature of State: Idealist	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Nature of State: Liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Nature of State: Liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of December 2023	Nature of State: Neo-liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Nature of State: Neo-liberal	Discussion & Interaction with students
3 rd week of December 2023	Sovereignty: Basic concept	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Sovereignty: Monistic Theory	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of January 2024	Sovereignty: Monistic Theory	Discussion & Interaction with students
1 st week of January 2024	Sovereignty: Pluralistic Theory	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students
3 rd week of January 2024	Remedial classes	Discussion & Interaction with students
3 rd week of January 2024	Remedial classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

1st Semester (BA 3 & 4 Year)

Course Name: Democratic Awareness with Legal Literacy

Course Code: BAPLSSE101

Assigned Syllabus: Unit 3 & 4

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Features of Indian Constitution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Features of Indian Constitution	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Laws relating to consumer rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Laws relating to consumer rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of September 2023	Consumers' Protection Act 1986	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Consumers' Protection Act 1986	Discussion & Interaction with students
2 nd week of October 2023	Cyber crimes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Cyber crimes	Discussion & Interaction with students
2 nd week of November 2023	Cyber crimes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of November 2023	Right to Information Act, 2005	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Right to Information Act, 2005	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Right to Information Act, 2005	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Right to Free and Compulsory Education Act 2009	Discussion & Interaction with students
3 rd week of December 2023	Right to Free and Compulsory Education Act 2009	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of January 2024	Right to Free and Compulsory Education Act 2009	Discussion & Interaction with students
2 nd week of January 2024	Democratic Awareness	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of January 2024	Democratic Awareness	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of January 2024	Remedial Classes	Discussion & Interaction with students
4 th week of January 2024	Remedial Classes	Discussion & Interaction with students
4 th week of January 2024	Remedial Classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

2nd Semester (BA 3 & 4 Year)

Course Name: Political Theory-II (Major)

Course Code: BAPLSMJ201

Assigned Syllabus: Unit 1, 2 & 3

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Marxist approach to the study of Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Marxist approach to the study of Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

1 st week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	The question of relative autonomy of the State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	The question of relative autonomy of the State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	The question of relative autonomy of the State -Ralph Miliband and Nicos Poulantzas	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	The question of relative autonomy of the State -Ralph Miliband and Nicos Poulantzas	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Important debates on Marxism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Important debates on Marxism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

2nd Semester (4 Year)

Course Name: Political Theory-I (Minor)

Course Code: BAPLSMN201

Assigned Syllabus: Unit 1, 2, 3 & 4

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Marxist approach to the study of Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Marxist approach to the study of Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

1 st week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	The question of relative autonomy of the State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	The question of relative autonomy of the State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	The question of relative autonomy of the State -Ralph Miliband and Nicos Poulantzas	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	The question of relative autonomy of the State -Ralph Miliband and Nicos Poulantzas	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Important debates on Marxism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Important debates on Marxism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

2nd Semester (BA 3 & 4 Year)

Course Name: Indian Constitutional Development (SEC)

Course Code: BAPLSSE201

Assigned Syllabus: Unit 1, 2, 3 & 4

Assigned Classes: One (1) Class per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Brief history of Indian Constitutional Development since 1858-1909	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Brief history of Indian Constitutional Development since 1858-1909	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Government of India Act 1919	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Government of India Act 1919	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Government of India Act 1919	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Dyarchy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Dyarchy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Simon Commission	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Simon Commission	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

5 th week of May, 2024	Nehru Report	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
--------------------------------------	--------------	--

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

BA Honours in Political Science 3rd Semester

Course Name: Democratic Awareness with Legal Literacy

Course Code: BAHPLSSE301

Assigned Syllabus: All 5 Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Constitution of India: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Constitution of India: Features	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	fundamental rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	fundamental rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	fundamental rights	Discussion & Interaction with students
3 rd week of September 2023	fundamental rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	fundamental duties	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	fundamental duties	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	other constitutional rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	other constitutional rights	Discussion & Interaction with students

4 th week of September 2023	anti-terrorist laws	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	anti-terrorist laws	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	anti-terrorist laws	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	dowry system	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	dowry system	Discussion & Interaction with students
2 nd week of October 2023	dowry system	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	sexual harassment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	sexual harassment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	violence against women	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	violence against women	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	violence against women	Discussion & Interaction with students
1 st week of November 2023	Anti-terrorist laws: Implication for security and human rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Anti-terrorist laws: Implication for security and human rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Anti-terrorist laws: Implication for security and human rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	System of courts/ tribunals and their jurisdiction in India	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	System of courts/ tribunals and their jurisdiction in India	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

5 th week of November 2023	System of courts/ tribunals and their jurisdiction in India	Discussion & Interaction with students
5 th week of November 2023	criminal and civil courts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	criminal and civil courts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	criminal and civil courts	Discussion & Interaction with students
2 nd week of December 2023	specialized courts such as juvenile courts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	specialized courts such as juvenile courts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Mahila courts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Mahila courts	Discussion & Interaction with students
3 rd week of December 2023	tribunals	Discussion & Interaction with students
3 rd week of December 2023	tribunals	Discussion & Interaction with students
3 rd week of December 2023	Alternate dispute such as Lok Adalats	Discussion & Interaction with students
3 rd week of December 2023	Alternate dispute such as Lok Adalats	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

BA Honours in Political Science 5th Semester

Course Name: Democratic Social Movements in Contemporary India

Course Code: BAHPLSDSE502

Assigned Syllabus: All 5 Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Social Movements in Contemporary India: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Social Movements in Contemporary India: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Social Movements in Contemporary India: Features	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Social Movements in Contemporary India: Features	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Social Movement and New Social Movement: Difference	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Social Movement and New Social Movement: Difference	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Peasant Movement – Telengana	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Peasant Movement – Telengana	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Peasant Movement – Telengana	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of April, 2024	Peasant Movement – Singur	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Peasant Movement – Singur	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Peasant Movement – Singur	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Tribal Movements – POSCO	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Tribal Movements – POSCO	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Tribal Movements – Niyamgiri	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Tribal Movements – Niyamgiri	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Tribal Movements – Niyamgiri	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Environmental Movement: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Environmental Movement: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Chipko Movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Chipko Movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Chipko Movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Narmada Bachao Movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Silent Valley Movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of May, 2024	Silent Valley Movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Silent Valley Movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	the currents of Social Movements in India.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	the currents of Social Movements in India.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	the currents of Social Movements in India.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

4th Semester (BA Honours in Political Science)

Course Name: Legislative Practices and Procedures

Course Code: BAHPLSSE401

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Powers and functions of people's representative at different tiers of governance	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Powers and functions of people's representative at different tiers of governance	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Powers and functions of: Members of Parliament	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Powers and functions of: Members of Parliament	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Powers and functions of: Members of Parliament	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Powers and functions of: State Legislative Assemblies	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Powers and functions of: State Legislative Assemblies	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Powers and functions of: State Legislative Assemblies	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of April, 2024	functionaries of rural and urban local governance.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	functionaries of rural and urban local governance.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	functionaries of rural and urban local governance.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Legislative Process: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Legislative Process: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Making of a law.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Making of a law.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Making of a law.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Legislative Committees: Types	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Legislative Committees: Types	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Legislative Committees: Types	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Legislative Committees: Types	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Legislative Committees: Role.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Legislative Committees: Role.	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Types of media	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of May, 2024	Overview of Budget Process	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Overview of Budget Process	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Overview of Budget Process	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Media monitoring and communication	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	significance of media for legislators	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	significance of media for legislators	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

6th Semester (BA Honours in Political Science)

Course Name: Understanding South Asia

Course Code: BAHPLSDSE602

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	South Asia: As a region	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	South Asia: As a region	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Strategic importance of South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Strategic importance of South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Strategic importance of South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Border Disputes in South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Border Disputes: (a) India-Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Border Disputes: (a) India-Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Border Disputes: (b) India-China	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of April, 2024	Border Disputes: (b) India-China	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Civil Wars and Ethnic Conflicts in South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Sinhala-Tamil conflict in Sri Lanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Sinhala-Tamil conflict in Sri Lanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Sinhala-Tamil conflict in Sri Lanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Baluchistan movement in Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Baluchistan movement in Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Baluchistan movement in Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Democracy and state system in South Asia: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Democracy and state system in South Asia: Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Democracy and state system in South Asia: Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Democracy and state system in South Asia: Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Democracy and state system in South Asia: Bangladesh	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Democracy and state system in South Asia: Bangladesh	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Democracy and state system in South Asia: Srilanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of May, 2024	Democracy and state system in South Asia: Srilanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Democracy and state system in South Asia: Nepal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Democracy and state system in South Asia: Nepal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Democracy and state system in South Asia: Bhutan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Regional Integration in South Asia: SAARC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Pawan Gurung

6th Semester (BA Program in Political Science)

Course Name: Politics in South Asia

Course Code: BAPPLSDSE602

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	South Asia: As a region	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	South Asia: As a region	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Strategic importance of South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Strategic importance of South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Strategic importance of South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Border Disputes in South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Border Disputes: (a) India-Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Border Disputes: (a) India-Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of April, 2024	Border Disputes: (b) India-China	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Border Disputes: (b) India-China	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	The major challenges to South Asian states	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	The major challenges to South Asian states	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Sinhala-Tamil conflict in Sri Lanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Sinhala-Tamil conflict in Sri Lanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	terrorism in South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	terrorism in South Asia	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Baluchistan movement in Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Democracy and state system in South Asia: Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Democracy and state system in South Asia: Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Democracy and state system in South Asia: Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Democracy and state system in South Asia: Pakistan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Democracy and state system in South Asia: Bangladesh	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Democracy and state system in South Asia: Bangladesh	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of May, 2024	Democracy and state system in South Asia: Srilanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Democracy and state system in South Asia: Srilanka	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Democracy and state system in South Asia: Nepal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Democracy and state system in South Asia: Nepal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Democracy and state system in South Asia: Bhutan	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Regional Integration in South Asia: SAARC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol
Department of Political Science (Hindi Shift)
Curriculum/Teaching Plan for Even & Odd Semesters of the Academic Year
2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul



1st Semester (BA 3 Year)

Course Name: Political Theory-I (Minor)

Course Code: BAPLSMN101

Assigned Syllabus: Unit 1, 2, 3 & 4

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	What is Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of September 2023	What is Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Approaches to the study of politics: Normative	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of September 2023	Approaches to the study of politics: Normative	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Approaches to the study of politics: Empirical	Discussion & Interaction with students
3 rd week of September 2023	Approaches to the study of politics: Empirical	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Approaches to the study of politics: Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Approaches to the study of politics: Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Approaches to the study of politics: Post-Behavioral	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of 2023	Approaches to the study of politics: Post-Behavioral	Discussion & Interaction with students
1 st week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Concept of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Social contract Theory: Hobbes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	Social contract Theory: Hobbes	Discussion & Interaction with students
1 st week of November 2023	Social contract Theory: Locke	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Social contract Theory: Locke	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Social contract Theory: Rousseau	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Social contract Theory: Rousseau	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of November 2023	Nature of State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Nature of State	Discussion & Interaction with students
5 th week of November 2023	Nature of State: Idealist	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Nature of State: Idealist	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Nature of State: Liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Nature of State: Liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Nature of State: Neo-liberal	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Nature of State: Neo-liberal	Discussion & Interaction with students
3 rd week of December 2023	Sovereignty: Basic concept	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Sovereignty: Monistic Theory	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of January 2024	Sovereignty: Monistic Theory	Discussion & Interaction with students
1 st week of January 2024	Sovereignty: Pluralistic Theory	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students
2 nd week of January 2024	Remedial classes	Discussion & Interaction with students
3 rd week of January 2024	Remedial classes	Discussion & Interaction with students
3 rd week of January 2024	Remedial classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

2nd Semester (BA 3 Year)

Course Name: Political Theory-II (Minor)

Course Code: BAPLSMN201

Assigned Syllabus: Unit 1, 2, 3 & 4

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Marxist approach to the study of Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Marxist approach to the study of Politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Dialectical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Historical Materialism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

1 st week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Class and Class Struggle	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	The question of relative autonomy of the State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	The question of relative autonomy of the State	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	The question of relative autonomy of the State -Ralph Miliband and Nicos Poulantzas	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	The question of relative autonomy of the State -Ralph Miliband and Nicos Poulantzas	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Important debates on Marxism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Important debates on Marxism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol
Department of Political Science (Hindi Shift)
Curriculum/Teaching Plan for Even & Odd Semesters of the Academic Year
2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

1st Semester (BA 3 & 4 Year)

Course Name: Human Rights

Course Code: MDC - 1

Assigned Syllabus: All Units

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Introduction of human rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of September 2023	Concepts of Human Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Meaning Nature of Human Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Scope and Evolution of Human Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Question and Answer Discussion followed by class test	Discussion & Interaction with students
3 rd week of September 2023	Introduction to Indian Constitution with Human Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

4 th week of September 2023	Laws regarding protection of Human Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Continuation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Role of Indian Constitution regarding violation and protection of Human Rights	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Evaluation of Human Rights	Discussion & Interaction with students
1 st week of October 2023	Question and answer discussion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Class test	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Introduction of NHRC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Formation and Motivation behind NHRC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	Foundation of NHRC	Discussion & Interaction with students
1 st week of November 2023	Composition of NHRC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Function and role of NHRC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Aspects of NHRC in contemporary political situation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of November 2023	Impact of NHRC in Indian Society	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Class test	Discussion & Interaction with students
5 th week of November 2023	Question paper discussion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Instruction regarding project paper	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Audio visual classes regarding cases of Human Rights under NHRC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Revision of unit 1 with tutorial	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Revision of unit 2 with tutorial	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Concept Of terrorism	Discussion & Interaction with students
3 rd week of December 2023	Impact of terrorism and counter terrorism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Role of Humna Rights in combating terrorisms	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of January 2024	Evidence and disclosure cases relating to terrorism	Discussion & Interaction with students
1 st week of January 2024	Revision with tutorial classes	Discussion & Interaction with students

2 nd week of January 2024	Practicing of MCQ for internal examination	Discussion & Interaction with students
2 nd week of January 2024	Practicing of MCQ for internal examination	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

BA Honours in Political Science 3rd Semester

Course Name: Western Political Thought

Course Code: BAHPLSC301

Assigned Syllabus: All 7 Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Background of western Political Thought	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Discussions on stoics and sophists	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Features of Western Political thought	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Greek political thought	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	General features	Discussion & Interaction with students
3 rd week of September 2023	Comparison of thoughts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Comparison of thoughts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

3 rd week of September 2023	Theory of justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Platos Concept	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Main tenets of justice	Discussion & Interaction with students
4 th week of September 2023	Explanations of Justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Criticism and Conclusions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Evaluation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Aristotle's Introduction	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Comparison of thoughts between Aristotle and plato	Discussion & Interaction with students
2 nd week of October 2023	Introduction to deductive and inductive method	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Aristotle teleology	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Aristotle theory of state	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Features and criticism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

3 rd week of October 2023	Comparison with plato	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Aristotle views on constitution	Discussion & Interaction with students
1 st week of November 2023	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Question and answer discussion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Class test	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Introduction to Roman political thought	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Introducing Cicero and his thoughts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Conceptualization of Roman Law	Discussion & Interaction with students
5 th week of November 2023	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Features of Medieval Political thought	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Machiavelli secularistic politics	Discussion & Interaction with students
2 nd week of December 2023	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Features of sovereignty	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of December 2023	Bodin's analysis of sovereignty	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Question paper discussion	Discussion & Interaction with students
3 rd week of December 2023	Remedial classes	Discussion & Interaction with students
3 rd week of December 2023	Tutorials	Discussion & Interaction with students
3 rd week of December 2023	Remedial classes	Discussion & Interaction with students
3 rd week of December 2023	Tutorials	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

BA Honours in Political Science 5th Semester

Course Name: World Politics Organization and Issues

Course Code: BAHPLSC501

Assigned Syllabus: All 5 Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Meaning of cold war	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Background of Cold war	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Effects of Cold war	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Post cold war phenomenon	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Effects of cold war on international relations	Discussion & Interaction with students
3 rd week of September 2023	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Introduction to UN	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

3 rd week of September 2023	League of nations	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Security council	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	General assembly	Discussion & Interaction with students
4 th week of September 2023	Trusteeship council	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	International court of justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Short questions on UN	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Reform and failure of UN	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	World Bank	Discussion & Interaction with students
2 nd week of October 2023	Initiative and role of world bank in international politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Role of IMF in international politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Revision of world bank and IMF	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Introducing SAARC and its features	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

3 rd week of October 2023	Succes and failure of SAARC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Impact of GCC on international platform	Discussion & Interaction with students
1 st week of November 2023	Introduction to BIMSTEC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	functions and impact of BIMSTEC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Revision work of GCC and BIMSTEC	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	ASEAN , formation and role	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Impact and conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Development and Environment relationship – general discussion	Discussion & Interaction with students
5 th week of November 2023	Importance of energy security	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Role of terrorism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Typology and process to combat terrorism	Discussion & Interaction with students
2 nd week of December 2023	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Question paper discussion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of December 2023	Class test	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Preparation for internal classes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Discussion related to human rights	Discussion & Interaction with students
3 rd week of December 2023	Remedial classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial Classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

BA Honours in Political Science 5th Semester

Course Name: DSE: Themes in Comparative Political Theory

Course Code: BAPPLSDSE501

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
1 st week of September 2023	Features of Indian political thoughts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Features of western political thoughts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Comparison between Indian and western political thoughts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of September 2023	Aristotle concepts of citizenship	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Criticism	Discussion & Interaction with students
3 rd week of September 2023	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

3 rd week of September 2023	Natural Rights by Locke	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of September 2023	Criticism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Concept of inequality and General will by Rousseau	Discussion & Interaction with students
4 th week of September 2023	Criticism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of September 2023	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Concept of liberty and democracy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	JS Mill idea on liberty	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of October 2023	Mills idea on democracy	Discussion & Interaction with students
2 nd week of October 2023	Criticism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of October 2023	Evaluation of western political thoughts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of October 2023	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of October 2023	Class test	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of November 2023	Kautilya's concept of <i>Ardhyashastra</i>	Discussion & Interaction with students
1 st week of November 2023	Kautilya's concept on seven states	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Kautilya's concept of <i>saptang</i>	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of November 2023	Critical evaluation of kautilya's concept of state	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Definition of swaraj	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of November 2023	Views of Tilak on Swaraj	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Detailed discussion of <i>purna-swaraj</i> by Tilak	Discussion & Interaction with students
5 th week of November 2023	Concept of Swaraj by Gandhi	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of November 2023	Role of Tilak and Gandhi in contributing Indian Independence	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of December 2023	Concept of social justice	Discussion & Interaction with students
2 nd week of December 2023	Contribution of Ambedkar on social justice	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of December 2023	Concept of democracy by Nehru and its impact on Indian society	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Concept of Democracy by Jayaprakash Narayan on democracy	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of December 2023	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of December 2023	Question paper discussion	Discussion & Interaction with students
3 rd week of December 2023	Remedial classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial classes	Discussion & Interaction with students
3 rd week of December 2023	Remedial classes	Discussion & Interaction with students

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

2nd Semester (BA 3 & 4 Year)

Course Name: Women empowerment in India: Issues and Dimensions

Course Code: MDC -219

Assigned Syllabus: All Units

Assigned Classes: Two (2) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Introducing Conceptions and definition of woman	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Discussion on ism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Definition of empowerment based on sex and gender	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Role of patriarch in Indian society	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Impact of patriarch on women empowerment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Conception of women empowerment on global perspective	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Definition of cast	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

5 th week of April, 2024	Impact of cast on women development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Impact of religion on women development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Relation of women and Environment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Hazards regarding sex and gender relating to development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Development of women cell and access to various resources of society	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Revision of the chapter	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Discussion of question and answer	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Role of women in pre independence era	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Discussions on various reforms relating to women empowerment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Remedial classes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

4th Semester (BA Honours in Political Science)

Course Name: Basic Theories of International Relations

Course Code: BAHPLSC403

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Meaning of International Relations and basic concepts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Concept of national power and balance of power	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Short questions discussion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Concept of Globalization	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Features of globalization	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Positive and Negative impact of globalization	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

3 rd week of April, 2024	Impact of globalization on Indian society	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Impact of Globalization on Political and Social perspective	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Concept of realist theory	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Six principles of realism and its criticism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Concept of neo realism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Liberalist approach	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Features and criticism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Neo liberalist approach	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Distinction between liberalist and neo liberalist approach	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of May, 2024	Discussion on world system theory	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Impact of world system theory and its critical analysis	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Evaluation of realism, liberalism and world system theory	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Question paper discussion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Concept of propaganda diplomacy and foreign aid	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Basic tenets and its role on international politics	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Remedial class	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Remedial class	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Remedial class	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

6th Semester (BA Honours in Political Science)

Course Name: SEC4: Environmental Politics

Course Code: BAHPLSDSE605

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Meaning of Environment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Environmentalism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Concepts and issues related to environmentalism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Significance	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Evaluation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Concepts and facts of collective actions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

3 rd week of April, 2024	Problems relating to Environmental challenges	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Comparison and solutions regarding developing and developed countries	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Introducing Chipko movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Background and consequences of Chipko movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Basic tenets	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Impacts of Chipko movements	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Narmada Bachao Andolan – concepts and impacts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Problems relating to international issues regarding environment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Steps for improvising issues	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of May, 2024	Question paper discussion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Concept of green governance	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Sustainable development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Goals of sustainable development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	UN and sustainable development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Process relating to human sustainable development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Efforts relating to climate change	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Evaluation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Remedial classes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Remedial classes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

Banwarilal Bhalotia College, Asansol

Department of Political Science (Hindi Shift)

Curriculum/Teaching Plan for Even Semesters of the Academic Year 2023-24

Name of Teacher/Course Instructor: Piyali Banerjee Paul

6th Semester (BA Program in Political Science)

Course Name: Environment and Politics

Course Code: BAPPLSSE602

Assigned Syllabus: All Units

Assigned Classes: Four (4) Classes per Week

Expected Time Span	Topics Covered	Teaching Method
2 nd week of April, 2024	Meaning of Environment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Environmentalism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of April, 2024	Concepts and issues related to environmentalism	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Significance	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Evaluation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of April, 2024	Concepts and facts of collective actions	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

3 rd week of April, 2024	Problems relating to Environmental challenges	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Comparison and solutions regarding developing and developed countries	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Introducing Chipko movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Background and consequences of Chipko movement	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of April, 2024	Basic tenets	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Impacts of Chipko movements	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of April, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Narmada Bachao Andolan – concepts and impacts	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
1 st week of May, 2024	Problems relating to international issues regarding environment	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Steps for improvising issues	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Conclusion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
2 nd week of May, 2024	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

2 nd week of May, 2024	Question paper discussion	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Concept of green governance	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Sustainable development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	Goals of sustainable development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
3 rd week of May, 2024	UN and sustainable development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Process relating to human sustainable development	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Efforts relating to climate change	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Evaluation	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
4 th week of May, 2024	Revision	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Remedial classes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)
5 th week of May, 2024	Remedial classes	Chalk & board/ppt/pdf/video lectures (study materials will be supplied in advance)

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF POLITICAL SCIENCE (HINDI SHIFT)

TEACHING PLAN FOR THE ODD SEMESTER OF THE ACADEMIC YEAR 2023-24

NAME OF THE TEACHER -QUEEN SINHA

ACADEMIC YEAR: - 23-24	SEMESTER: ONE
COURSE: UG	COURSE NAME POLITICAL THEORY 01
SUBJECT CODE:BAPLSMN101	SUBJECT TYPE: THEORY
	ASSIGNED CLASSES PER WEEK 02

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
Liberty : concept and safe guards of liberty	September	2nd week	CHALK & BOARD /PPT
Liberty :- types	September	3 rd week	CHALK & BOARD /PPT
Liberty :- Marxist view	September	4 th week	CHALK & BOARD /PPT
Equality :- concept, features	October	1 st week	CHALK & BOARD /PPT
Equality :- Types	October	2 nd week	CHALK & BOARD /PPT
Law- concept, features, source	October	3 rd week	CHALK & BOARD /PPT
Law :- Types	October	4 th week	CHALK & BOARD /PPT
Justice:- concept, types .	November	1 st week	CHALK & BOARD /PPT

Justice:- concept, types	November	2 nd week	CHALK & BOARD /PPT
Inter relations among liberty, equality and law	November	3 rd week	CHALK & BOARD /PPT
Democracy: - concept. Features	November	4 th week	CHALK & BOARD /PPT
Democracy:- Types	November	4 th week	CHALK & BOARD /PPT
Democracy:- Types	November	4 th week	CHALK & BOARD /PPT
Conditions of success of Democracy	December	1 st week	CHALK & BOARD /PPT
Conditions of success of Democracy	December	1 st week	CHALK & BOARD /PPT
Marxist view on Democracy	December	2 nd week	CHALK & BOARD /PPT
Marxist view on Democracy	December	2 nd week	CHALK & BOARD /PPT
Marxist view on Democracy	December	3 rd week	CHALK & BOARD /PPT
John Rawls notion on Justice	December	3 rd week	CHALK & BOARD /PPT
John Rawls notion on Justice	December	4 th week	CHALK & BOARD /PPT
John Rawls notion on Justice	December	4 th week	CHALK & BOARD /PPT
Robert Nozick's views on justice	January 2024	1 st week	CHALK & BOARD /PPT
Robert Nozick's views on justice	January	1 st week	CHALK & BOARD /PPT
Robert Nozick's views on justice	January	2 nd week	CHALK & BOARD /PPT
Robert Nozick's views on justice	January	2 nd week	CHALK & BOARD /PPT

Remidial class	January	3 rd week	CHALK & BOARD /PPT
Remedial class	January	3 rd week	CHALK & BOARD /PPT

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF POLITICAL SCIENCE (HINDI SHIFT)

TEACHING PLAN FOR THE ODD SEMESTER OF THE ACADEMIC YEAR 2023-24

NAME OF THE TEACHER -QUEEN SINHA

ACADEMIC YEAR: - 23-24	SEMESTER: THIRD
COURSE: UG	COURSE NAME: INDIAN POLITICAL THOUGHT
SUBJECT CODE: BAHPLSC302	SUBJECT TYPE: THEORY
PAPER- CORE 06	ASSIGNED CLASSES PER WEEK -4

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
Features of ancient Indian political thought	September	1 st week	CHALK & BOARD /PPT

Features of ancient Indian political thought	September	2 nd week	CHALK & BOARD /PPT
Kautilya :- Brief Introduction	September	3 rd week	CHALK & BOARD /PPT
Saptanga theory of Kautilya	September	4 th week	CHALK & BOARD /PPT
Saptanga theory of Kautilya	October	1 st week	CHALK & BOARD /PPT
Saptanga theory of Kautilya :- criticism	October	2 nd week	CHALK & BOARD /PPT
Dandaniti by Kautilya	October	3 rd week	CHALK & BOARD /PPT
Dandaniti by Kautilya	October	4 th week	CHALK & BOARD /PPT
Brief discussion on Mandala Theory	October	4 th week	CHALK & BOARD /PPT
Brief discussion on Shastguna theory	November	1 st week	CHALK & BOARD /PPT
Features of medieval political thought	November	1 st week	CHALK & BOARD /PPT
Features of medieval political thought	November	1 st week	CHALK & BOARD /PPT
Brief intro of Raja Rammohan Roy	November	1 st week	CHALK & BOARD /PPT
Introducing Raja Rammohan Roy as fasther of moderinity.	November	2 nd week	CHALK & BOARD /PPT
Introducing Raja Rammohan Roy as fasther of moderinity	November	2 nd week	CHALK & BOARD /PPT
Introducing Raja Rammohan Roy as fasther of moderinity	November	2 nd week	CHALK & BOARD /PPT
Introducing Raja Rammohan Roy as fasther of moderinity	November	2 nd week	CHALK & BOARD /PPT

Brief introduction of Bankim Chandra Chatterjee	November	3 rd week	CHALK & BOARD /PPT
Bankimchandra Chatterjee's view on Nationalism	November	3 rd week	CHALK & BOARD /PPT
Bankimchandra Chatterjee's view on Nationalism	November	3 rd week	CHALK & BOARD /PPT
Brief introduction of Rabindranath Thakur	November	3 rd week	CHALK & BOARD /PPT
Thakur's views on nationalism and advocacy for internationalism	November	4 th week	CHALK & BOARD /PPT
Thakur's views on nationalism and advocacy for internationalism	November	4 th week	CHALK & BOARD /PPT
Thakur's views on nationalism and advocacy for internationalism	November	4 th week	CHALK & BOARD /PPT
Brief introduction of Swami Vivekananda	November	4 th week	CHALK & BOARD /PPT
Ideal society in the eye of Swamiji	December	1 st week	CHALK & BOARD /PPT
Ideal society in the eye of Swamiji	December	1 st week	CHALK & BOARD /PPT
Ideal society in the eye of Swamiji	December	1 st week	CHALK & BOARD /PPT
Nationalism in the eye of Swamiji	December	1 st week	CHALK & BOARD /PPT
Gandhiji: - brief intro	December	2 nd week	CHALK & BOARD /PPT
Gandhiji's view on swaraj	December	2 nd week	CHALK & BOARD /PPT
Gandhiji's view on swaraj	December	2 nd week	CHALK & BOARD /PPT
Gandhiji's view on swaraj	December	2 nd week	CHALK & BOARD /PPT
Gandhiji's view on Tarusteeship	December	3 rd week	CHALK & BOARD /PPT

Gandhiji's view on Tarusteeship	December	3 rd week	CHALK & BOARD /PPT
Gandhiji's views on trusteeeship	December	3 rd week	CHALK & BOARD /PPT
Gandhiji's views on satyagraha	December	3 rd week	CHALK & BOARD /PPT
Gandhiji's views on satyagraha	December	4 th week	CHALK & BOARD /PPT
Gandhiji's views on satyagraha	December	4 th week	CHALK & BOARD /PPT
Social justice :- concept, dimensions	December	4 th week	CHALK & BOARD /PPT
Social justice:- concept, dimensions	December	4 th week	CHALK & BOARD /PPT
Brief introduction of Ambedkar	January 2024	1 st week	CHALK & BOARD /PPT
Brief introduction of Ambedkar	January	1 st week	CHALK & BOARD /PPT
Ambedkar's Views on Social justice	January	1 st week	CHALK & BOARD /PPT
Ambedkar's Views on Social justice	January	1 st week	CHALK & BOARD /PPT
Ambedkar's Views on Social justice	January	2 nd week	CHALK & BOARD /PPT
Ambedkar and Gandhiji	January	2 nd week	CHALK & BOARD /PPT
Ambedkar and Gandhiji	January	2 nd week	CHALK & BOARD /PPT
Remedial classes	January	2 nd week	CHALK & BOARD /PPT
Remedial classes	January	3 rd week	CHALK & BOARD /PPT
Remedial classes	January	3 rd week	CHALK & BOARD /PPT
Remedial classes	January	3 rd week	CHALK & BOARD /PPT
Remedial classes	January	3 rd week	CHALK & BOARD /PPT

BANWARILAL BHALOTIA COLLEGE, ASANSOL

DEPARTMENT OF POLITICAL SCIENCE (HINDI SHIFT)

TEACHING PLAN FOR THE ODD SEMESTER OF THE ACADEMIC YEAR 2023-24

Name of the teacher -Queen Sinha

ACADEMIC YEAR: - 2023-24	SEMESTER: THIRD
COURSE: UG	COURSE NAME: INDIAN POLITY AND CONSTITUTION
COURSE CODE: BAPPLSC301	SUBJECT TYPE: THEORY
	ASSIGNED CLASSES PER WEEK - 2

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
---------------------	----------------	---------------	----------------------

Framing of the Indian Constitution	October	2nd week	CHALK & BOARD /PPT
Role of the Constituent Assembly	October	3 rd week	CHALK & BOARD /PPT
The preamble:- detailed discussion	October	3 rd week	CHALK & BOARD /PPT
The significance of the Preamble	October	4 th week	CHALK & BOARD /PPT
Fundamental Rights:- definition , features	October	4 th week	CHALK & BOARD /PPT
Different types of Fundamental rights	November	1 st week	CHALK & BOARD /PPT
Different types of Fundamental rights	November	1 st week	CHALK & BOARD /PPT
Fundamental Duties:- concept , features	November	2 nd week	CHALK & BOARD /PPT
Difference between Fundamental rights and Fundamental Duties	November	2 nd week	CHALK & BOARD /PPT
Directive Principles of State Policy	November	3 rd week	CHALK & BOARD /PPT
Difference between Fundamental	November	4 th week	CHALK & BOARD /PPT

1 rights and Directive Principles of State Policy			
Federalism :- Concept and Nature of Indian Federalism	November	4 th week	CHALK & BOARD /PPT
Union-State relations: - Administrative	December	1 st week	CHALK & BOARD /PPT
Union-State relations: - legal	December	1 st week	CHALK & BOARD /PPT
Union-State relations: - financial	December	2 nd week	CHALK & BOARD /PPT
President: - qualification , power function and election process	December	2 nd week	CHALK & BOARD /PPT
Emergency power of President	December	3 rd week	CHALK & BOARD /PPT
Vice-President – Election, power and position.	December	3 rd week	CHALK & BOARD /PPT
Prime Minister: - qualification , power and function	December	4 th week	CHALK & BOARD /PPT
Council of Ministers:- power and function	December	4 th week	CHALK & BOARD /PPT

Rajya Sabha: - structure and function	January 2024	1 st week	CHALK & BOARD /PPT
Lok Sabha: - structure and function	January	1 st week	CHALK & BOARD /PPT
Speaker: - qualification, power and function	January	2 nd week	CHALK & BOARD /PPT
Supreme Court: - structure, power and function	January	2 nd week	CHALK & BOARD /PPT
High Courts – Compositions and functions	January	3 rd week	CHALK & BOARD /PPT
Constitutional amendment: Procedures	January	3 rd week	CHALK & BOARD /PPT
Electoral reforms	January 2024	3 rd week	CHALK & BOARD /PPT

N.B: 1. HOME ASSIGNMENT WILL BE GIVEN AFTER COMPLETION OF EACH UNIT

2. CLASS TEST WILL BE CONDUCTED AS PER SCHEDULE OF ACADEMIC CALENDER.

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF POLITICAL SCIENCE (HINDI SHIFT)
TEACHING PLAN FOR THE ODD SEMESTER OF THE ACADEMIC YEAR 2023-24

Name of the teacher -Queen Sinha

ACADEMIC YEAR: - 2023-24	SEMESTER: THIRD
COURSE: UG	COURSE NAME: NATIONALISM IN INDIA
SUBJECT CODE: BAHPLSGE301	SUBJECT TYPE: THEORY
PAPER- GE	ASSIGNED CLASSES PER WEEK -03

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
Concept of Nationalism, its features, origin	September	1 st week	CHALK & BOARD /PPT
Sources of nationalism	september	2 nd week	CHALK & BOARD /PPT
sources of nationalism	september	3 rd week	CHALK & BOARD /PPT
Different types of nationalism	September	4 th week	CHALK & BOARD /PPT
Drain theory of Naura Ji	October	4 th week	CHALK & BOARD /PPT
Drain theory of Naura Ji	October	4 th week	CHALK & BOARD /PPT
Birth of INC	October	4 th week	CHALK & BOARD /PPT
Birth of INC	November	1 st week	CHALK & BOARD /PPT
Birth of INC	November	1 st week	CHALK & BOARD /PPT
Moderates and Extremist division	November	1 st week	CHALK & BOARD /PPT
Difference between moderates and extremist	November	2 nd week	CHALK & BOARD /PPT
Difference between moderates and extremist	November	2 nd week	CHALK & BOARD /PPT
Rise of Gandhian leadership	November	2 nd week	CHALK & BOARD /PPT
Rise of Gandhian leadership	November	3 rd week	CHALK & BOARD /PPT
Noncooperation movement	November	3 rd week	CHALK & BOARD /PPT

Noncooperation movement	November	3 rd week	CHALK & BOARD /PPT
Noncooperation movement	November	4 th week	CHALK & BOARD /PPT
Civil Disobedience Movement	November	4 th week	CHALK & BOARD /PPT
Civil Disobedience Movement	November	4 th week	CHALK & BOARD /PPT
Civil Disobedience Movement	December	1 st week	CHALK & BOARD /PPT
Quite India Movement	December	1 st week	CHALK & BOARD /PPT
Quite India Movement	December	1 st week	CHALK & BOARD /PPT
Quite India Movement	December	2 nd week	CHALK & BOARD /PPT
Muslim league	December	2 nd week	CHALK & BOARD /PPT
Muslim league	December	2 nd week	CHALK & BOARD /PPT
Hindu Mahasabha	December	3 rd week	CHALK & BOARD /PPT
Hindu Mahasabha	December	3 rd week	CHALK & BOARD /PPT
Nehru Report	December	3 rd week	CHALK & BOARD /PPT
Cabinet Mission	December	4 th week	CHALK & BOARD /PPT
Simon Commission	December	4 th week	CHALK & BOARD /PPT
Foundation and development of left politics	December	4 th week	CHALK & BOARD /PPT
Foundation and development of left politics	January 2024	1 st week	CHALK & BOARD /PPT
Emergence of CPI	January	1 st week	CHALK & BOARD /PPT
Emergence of CPI	January	1 st week	CHALK & BOARD /PPT
Forward Block	January	2 nd week	CHALK & BOARD /PPT
Forward Block	January	2 nd week	CHALK & BOARD /PPT

Jinnah's Two Nation Theory	January	2 nd week	CHALK & BOARD /PPT
Jinnah's Two Nation Theory	January	3 rd week	CHALK & BOARD /PPT
Jinnah's Two Nation Theory	January	3 rd week	CHALK & BOARD /PPT
Demand for Pakistan	January	3 rd week	CHALK & BOARD /PPT
Demand for Pakistan	January	4 th week	CHALK & BOARD /PPT
Remedial Classes	January	4 th week	CHALK & BOARD /PPT
Remedial Classes	January	4 th week	CHALK & BOARD /PPT
Remedial Classes	January	4 th week	CHALK & BOARD /PPT

- N.B: 1. HOME ASSIGNMENT WILL BE GIVEN AFTER COMPLETION OF EACH UNIT
2. CLASS TEST WILL BE CONDUCTED AS PER SCHEDULE OF ACADEMIC CALENDER.

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF POLITICAL SCIENCE (Hindi Shift)
TEACHING PLAN FOR THE EVEN SEMESTER OF THE ACADEMIC YEAR 2023-24
Name of the teacher -Queen Sinha

ACADEMIC YEAR: - 2023-24	SEMESTER: 2 nd
COURSE: UG	COURSE NAME: political theory II
COURSE CODE: BAPLSMN201	SUBJECT TYPE: THEORY
	ASSIGNED CLASSES PER WEEK -02

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
---------------------	----------------	---------------	----------------------

BASIC INTRODUCTION OF LENIN	April,2024	2 nd week	CHALK & BOARD /PPT
THEORY OF REVOLUTION BY LENIN	April ,2024	2 nd week	CHALK & BOARD /PPT
THEORY OF REVOLUTION BY LENIN	April ,	3 rd week	CHALK & BOARD /PPT
THEORY OF REVOLUTION BY LENIN	April	3 rd week	CHALK & BOARD /PPT
THEORY OF REVOLUTION BY LENIN	April	4 th week	CHALK & BOARD /PPT
THEORY OF IMPERIALISM BY LENIN	April	4 th week	CHALK & BOARD /PPT
THEORY OF IMPERIALISM BY LENIN	May	1 st week	CHALK & BOARD /PPT
THEORY OF IMPERIALISM BY LENIN	April	1 st week	CHALK & BOARD /PPT
THEORY OF IMPERIALISM BY LENIN THEORY OF REVOLUTION BY MAO	April	2 nd week	CHALK & BOARD /PPT
REVOLUTION BY MAO	May	2 nd week	CHALK & BOARD /PPT
REVOLUTION BY MAO	May	3 rd week	CHALK & BOARD /PPT

MARX'S VIEW ON PARTY	May	3 rd week	CHALK & BOARD /PPT
MARX'S VIEW ON PARTY	May,	4 th week	CHALK & BOARD /PPT
LENIN'S VIEW ON PARTY	May	4 th week	CHALK & BOARD /PPT
LENIN ROSA DEBATE	June	1 st week	CHALK & BOARD /PPT

LENIN ROSA DEBATE	June	1 st week	CHALK & BOARD /PPT
LENIN ROSA DEBATE	June	2 nd week	CHALK & BOARD /PPT
LENIN'S VIEW ON PARTY	June	2 nd week	CHALK & BOARD /PPT
LENIN'S VIEW ON PARTY	June	3 rd week	CHALK & BOARD /PPT
REMEDIAL CLASS	June	3 rd week	CHALK & BOARD /PPT
REMEDIAL CLASS	June	4 th week	CHALK & BOARD /PPT
Remedial classes	June	4 th week	CHALK & BOARD /PPT

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF POLITICAL SCIENCE (Hindi Shift)
TEACHING PLAN FOR THE EVEN SEMESTER OF THE ACADEMIC YEAR 2023-24
Name of the teacher -Queen Sinha

ACADEMIC YEAR: - 2023-24	SEMESTER: FOURTH
--------------------------	------------------

COURSE: UG	COURSE NAME: WESTERN POLITICAL THOUGHT II
COURSE CODE: BAHPOLSC401	SUBJECT TYPE: THEORY
	ASSIGNED CLASSES PER WEEK -04

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
Brief Information About Thomas Hobbes	April,2024	2 nd week	CHALK & BOARD /PPT
Thomas Hobbes notion Of Materialism	April,	2 nd week	CHALK & BOARD /PPT
Thomas Hobbes notion Of Materialism	April	2 nd week	CHALK & BOARD /PPT
Thomas Hobbes notion On Materialism	April	2 nd week	CHALK & BOARD /PPT
Hobbes's Human Nature	April	3 rd week	CHALK & BOARD /PPT
Hobbes's Human Nature	April	3 rd week	CHALK & BOARD /PPT
Sovereignty by Hobbes	April	3 rd week	CHALK & BOARD /PPT
Sovereignty by Hobbes	April	3 rd week	CHALK & BOARD /PPT
Brief Information Of John Locke	April	4 th week	CHALK & BOARD /PPT
Locke's Notion On Natural Right	April	4 th week	CHALK & BOARD /PPT

Locke's Notion On Natural Right	April,	4 th week	CHALK & BOARD /PPT
---------------------------------	--------	----------------------	--------------------

Locke Notion On Natural Right	April	4 th week	CHALK & BOARD /PPT
Locke Notion On State On Nature	May	1 st week	CHALK & BOARD /PPT
Locke Notion On Human Nature	May	1 st week	CHALK & BOARD /PPT
Locke On Property	May	1 st week	CHALK & BOARD /PPT
Locke On Property	May	1 st week	CHALK & BOARD /PPT
Locke As An Individualist	May	2 nd week	CHALK & BOARD /PPT
Locke As Father of Liberalism	May	2 nd week	CHALK & BOARD /PPT
Brief Information of Rousseau	May	2 nd week	CHALK & BOARD /PPT
Rousseau's Notion on State of Nature	May	2 nd week	CHALK & BOARD /PPT
Rousseau's Notion on Human Nature	May	3 rd week	CHALK & BOARD /PPT
Rousseau's Notion on General Will	May	3 rd week	CHALK & BOARD /PPT
Rousseau's Notion on General Will	May	3 rd week	CHALK & BOARD /PPT
Rousseau's Notion on General Will	May	3 rd week	CHALK & BOARD /PPT
Brief Information About Hegel	May	4 th week	CHALK & BOARD /PPT
Hagel on Dialectics	May	4 th week	CHALK & BOARD /PPT
Hagel on Dialectics	May	4 th week	CHALK & BOARD /PPT
Hagel on Dialectics	May	4 th week	CHALK & BOARD /PPT

Hegel On State	June	1 st week	CHALK & BOARD /PPT
Hegel On State	June2024	1 st week	CHALK & BOARD /PPT

Brief Information About Karl Marx And Fedrick Engels	June	1 st week	CHALK & BOARD /PPT
Sources Of Karl Marx	June	1 st week.	CHALK & BOARD /PPT
Karl Marxist notion Of Dialectics Materialism	June	2 nd week	CHALK & BOARD /PPT
Karl Marx 's Notion of Dialectics Materialism	June	2 nd week	CHALK & BOARD /PPT
Karl Marx's Notion of Dialectics Materialism	June	2 nd week	CHALK & BOARD /PPT
Karl Marxist notion of Historical Materialism	June	2 nd week	CHALK & BOARD /PPT
Karl Marx's Notion Of Historical Materialism	June	3 rd week	CHALK & BOARD /PPT
Karl Marx's Notion Of Historical Materialism	June	3 rd week	CHALK & BOARD /PPT
Bentham's Notion of Utilitarianism	June	3 rd week	CHALK & BOARD /PPT
Bentham's Notion of Utilitarianism	June	3 rd week	CHALK & BOARD /PPT
Mill's notion on Utilitarianism	June	4 th week	CHALK & BOARD /PPT

Mill's notion on Utilitarianism	June	4 th week	CHALK & BOARD /PPT
Mill's view on liberty	June	4 th week	CHALK & BOARD /PPT
Mill's view on liberty	June	4 th week	CHALK & BOARD /PPT

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF POLITICAL SCIENCE (Hindi Shift)
TEACHING PLAN FOR THE EVEN SEMESTER OF THE ACADEMIC YEAR 2023-24

Name of the teacher -Queen Sinha

ACADEMIC YEAR: - 2023-24	SEMESTER: FOURTH
COURSE: UG	COURSE NAME: POLITICS OF GLOBALIZATION
COURSE CODE: - BAHPLSGE402	SUBJECT TYPE: THEORY
PAPER- GE	ASSIGNED CLASSES PER WEEK -03

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
Evolution of the state system	April,2024	2 nd week	CHALK & BOARD /PPT
Concept of sovereignty	April,	2 nd week	CHALK & BOARD /PPT
Globalization: - concept	April	2 nd week	CHALK & BOARD /PPT
Globalization: - concept	April	3 rd week	CHALK & BOARD /PPT
Features of Globalization	April	3 rd week	CHALK & BOARD /PPT
Merit and demerit of globalization	April	3 rd week	CHALK & BOARD /PPT
Merit and demerit of globalization	April	4 th week	CHALK & BOARD /PPT
Dimensions of Globalization	April	4 th week	CHALK & BOARD /PPT
Dimensions of Globalization	April	4 th week	CHALK & BOARD /PPT
Impact of globalization on Indian Economy	May	1 st week	CHALK & BOARD /PPT

Impact of globalization on Indian Economy	May 2024	1 st week	CHALK & BOARD /PPT
Terrorism: - concept, features	May 2024	1 st week	CHALK & BOARD /PPT
Terrorism: different types	May ,2024	2 nd week	CHALK & BOARD /PPT
Terrorism: different types	May	2 nd week	CHALK & BOARD /PPT
Causes of terrorism	May	2 nd week	CHALK & BOARD /PPT
Measures taken to combat terrorism	May	3 rd week	CHALK & BOARD /PPT
Globalization and terrorism	May	3 rd week	CHALK & BOARD /PPT
Globalization and terrorism	May	3 rd week	CHALK & BOARD /PPT
Bretton woods system	May	4 th week	CHALK & BOARD /PPT
World Trade Organization	May	4 th week	CHALK & BOARD /PPT
World Trade Organization	May,	4 th week	CHALK & BOARD /PPT
International Monetary Fund	June	1 st week	CHALK & BOARD /PPT
North South division	June	1 st week	CHALK & BOARD /PPT
South South cooperation	June	1 st week	CHALK & BOARD /PPT
South South cooperation	June	2 nd week	CHALK & BOARD /PPT
Unipolarity	June	2 nd week	CHALK & BOARD /PPT
Bipolarity	June	2 nd week	CHALK & BOARD /PPT

Multipolarity	June	3 rd week	CHALK & BOARD /PPT
Globalization and new international economic order	June	3 rd week	CHALK & BOARD /PPT
Globalization and localization	June	3 rd week	CHALK & BOARD /PPT

Globalization and localization	June	4 th week	CHALK & BOARD /PPT
Remedial classes	June	4 th week.	CHALK & BOARD /PPT
Remedial classes	June 2024	4 th week	CHALK & BOARD /PPT

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF POLITICAL SCIENCE (HINDI SHIFT)
TEACHING PLAN FOR THE EVEN SEMESTER OF THE ACADEMIC YEAR 2023-24

Name of the teacher -Queen Sinha

ACADEMIC YEAR: - 2023-24	SEMESTER: FOURTH
COURSE: UG	COURSE NAME: PUBLIC OPINION AND SURVEY RESEARCH
COURSE CODE: - BAPPLSSE401	SUBJECT TYPE: THEORY
PAPER- SEC 02	ASSIGNED CLASSES PER WEEK -02

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
Definition of public opinion and features component	April,2024	2 nd week	CHALK & BOARD /PPT
Meaning, features of sampling	April ,2024	2 nd week	CHALK & BOARD /PPT
Merit and demerit of sampling	April	3 rd week	CHALK & BOARD /PPT
Random sampling	April	3 rd week	CHALK & BOARD /PPT
Purposive sampling	April	4 th week	CHALK & BOARD /PPT
Stratified sampling	April	4 th week	CHALK & BOARD /PPT
Interview: meaning Features of interview Merit and demit of interview	May	1 st week	CHALK & BOARD /PPT
Structured interview	April	1 st week	CHALK & BOARD /PPT
Structured interview	April,	2 nd week	CHALK & BOARD /PPT
Structured interview	May	2 nd week	CHALK & BOARD /PPT

Focused interview	May	3 rd week	CHALK & BOARD /PPT
-------------------	-----	----------------------	-----------------------

Meaning of questionnaire	May	3 rd week	CHALK & BOARD /PPT
Feature of questionnaire, merit demerit	May	4 th week	CHALK & BOARD /PPT
Different type of questionnaire	May	4 th week	CHALK & BOARD /PPT
Different type of questionnaire	June	1 st week	CHALK & BOARD /PPT
Fairness and clarity of questionnaire	June	1 st week	CHALK & BOARD /PPT
Fairness and clarity of questionnaire	June	2 nd week	CHALK & BOARD /PPT
Meaning of polling research	June	2 nd week	CHALK & BOARD /PPT
Meaning of polling research	June	3 rd week	CHALK & BOARD /PPT
Possibilities and pitfall of polling research	June	3 rd week	CHALK & BOARD /PPT
Possibilities and pitfall of polling research	June	4 th week	CHALK & BOARD /PPT
Remedial classes	June	4 th week	CHALK & BOARD /PPT

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF POLITICAL SCIENCE (Hindi Shift)
TEACHING PLAN FOR THE EVEN SEMESTER OF THE ACADEMIC YEAR 2023-24

Name of the teacher -Queen Sinha

ACADEMIC YEAR: - 2023-24	SEMESTER: SIXTH
COURSE: UG	COURSE NAME: LOCAL GOVERNMENT IN WEST BENGAL
COURSE CODE: - BAHPLSC601	SUBJECT TYPE: THEORY
PAPER- CC13	ASSIGNED CLASSES PER WEEK -04

Topic of Discussion	Expected Month	Expected Week	Plan of Teaching Aid
Meaning of local government	April 24	2 nd week	CHALK & BOARD /PPT
Function local government	April	3 rd week	CHALK & BOARD /PPT
Evolution of rural local government in west Bengal since independence	April	3 rd week	CHALK & BOARD /PPT
Evolution of rural local government in west Bengal since independence	April	3 rd week	CHALK & BOARD /PPT
Evolution of rural local government in west Bengal since independence	April	3 rd week	CHALK & BOARD /PPT
Evolution of urban local government in west Bengal since independence	April	4 th week	CHALK & BOARD /PPT
Evolution of urban local government in west Bengal since independence	April	4 th week	CHALK & BOARD /PPT

Balawant Roy Mehata Samiti	April	4thweek	CHALK & BOARD /PPT
-------------------------------	-------	---------	-----------------------

Ashok Mehta Samiti	April	4 th 1week	CHALK & BOARD /PPT
Thungun Samiti	May	1 st week	CHALK & BOARD /PPT
Gadgil Samiti	May	1 st week	CHALK & BOARD /PPT
Other Samiti	May	1 st week	CHALK & BOARD /PPT
73 rd constitution amendment act(1992)	May	1 st week	CHALK & BOARD /PPT
73 rd constitution amendment act(1992)	May	2 nd week	CHALK & BOARD /PPT
73 rd constitution amendment act(1992)	May	2 nd week	CHALK & BOARD /PPT
74 th constitution amendment act(1993)	May	2 nd ^h week	CHALK & BOARD /PPT
74 th constitution amendment act(1993)	May	2 nd week	CHALK & BOARD /PPT
74 th constitution Amendment Act(1993)	May	3 rd week	CHALK & BOARD /PPT
West Bengal Municipality Act(1993)	May	3 rd ^h week	CHALK & BOARD /PPT
West Bengal Municipality Act(1993)	May	3 rd week	CHALK & BOARD /PPT
West Bengal Municipality Act(1993)	May	3 rd week	CHALK & BOARD /PPT

Different committee on urban local Government	May	4 th week	CHALK & BOARD /PPT
Different committee on urban local Government	May	4 th week	CHALK & BOARD /PPT

Different committee on urban local Government	May	4 ^{th d} week	CHALK & BOARD /PPT
Notion of women empowerment	May	4 th week	CHALK & BOARD /PPT
Notion of women empowerment	June	1 st week	CHALK & BOARD /PPT
Local government and empowerment of Women SC ST	June	1 st week	CHALK & BOARD /PPT
Local government and empowerment of Women, SC ST	June	1 st week	CHALK & BOARD /PPT
Local government and empowerment of Women, SC ST	June	1 st week	CHALK & BOARD /PPT
Center and state relation; administrative	June	2 nd week	CHALK & BOARD /PPT
Center and state relation: financial	June	2 nd week	CHALK & BOARD /PPT
Finance commission structure and function	June	2 nd week	CHALK & BOARD /PPT
Structure of Panchayat in West. Bengal	June	2 nd week	CHALK & BOARD /PPT
Gram Sabha: - structure and function	June	3 rd week	CHALK & BOARD /PPT
Gram Samsad in West. Bengal	June	3 rd week	CHALK & BOARD /PPT

Gram Unnayan Samiti in WB	June	3 rd week	CHALK & BOARD /PPT
Structure and Function of Panchayat Samiti in WB	June	3 rd week	CHALK & BOARD /PPT
Structure and function of Zilla Parishad in WB	June 2024	4 th week	CHALK & BOARD /PPT
Standing Committees of Zilla Parishad	June	4 th week	CHALK & BOARD /PPT
Remedial classes	June	4 th week	CHALK & BOARD /PPT
Remedial classes	June	4 th week	CHALK & BOARD /PPT

N.B: 1. HOME ASSIGNMENT WILL BE GIVEN AFTER COMPLETION OF EACH UNIT

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF HISTORY
TEACHING PLAN: DR. SUDIP CHAKRABORTY

ACADEMIC YEAR: 2023-24	SEMESTER: I
COURSE: UG	COURSE NAME: B.A. Honours
SUBJECT CODE: BAHISMJ101	SUBJECT TYPE: THEORY
Paper- Major - 1 (Early Historic India)	WORK LOAD: 5Hrs / Week

Lecture Number	Unit/Module	Topic of Discussion	Expected Day/Week/Month	Teaching Aid
01	U – I/1.1	Historical Theories and Interpretations about the Indian Past	03.11.2023	Chalk & Talk
02			04.11.2023	Chalk & Talk
01	U – I/1.2	The Idea of Bharatavarsha : Diversified Cultural Tradition	05.11.2023	Chalk & Talk
02			09.11.2023	Chalk & Talk
03			09.11.2023	Chalk & Talk
01	U - I/1.3	Early Indian Literary and Archaeological Sources : Introduction	10.11.2023	Chalk & Talk
01	U – I/1.3	Early Indian Literary Sources	11.11.2023	Chalk & Talk
02			12.11.2023	Chalk & Talk
01	U – I/1.3	Early Indian Archaeological Sources	18.11.2023	Chalk & Talk
02			19.11.2023	Chalk & Talk
01	U – I/1.3	Other Sources	23.11.2023	Chalk & Talk
02			23.11.2023	Chalk & Talk
01	M – I/1	Discussion/Remedial Class	24.11.2023	Chalk & Talk
01	U – I/2.1	The earliest village farming community in India : Mehargarh and its various cultural phases	25.11.2023	Chalk & Talk
02			26.11.2023	Chalk & Talk
01	U – I/2.2	The First Urbanization in the Indian Subcontinent : Indus civilization	30.11.2023	Chalk & Talk
02			30.11.2023	Chalk & Talk
01	U – I/2.3	The early Harappan phase : technology, architecture, religion and maritime trade	01.12.2023	Chalk & Talk
02			02.12.2023	Chalk & Talk
01	U – I/2.3	The Harappan phase: technology, architecture, religion and maritime trade	03.12.2023	Chalk & Talk
02			07.12.2023	Chalk & Talk
01	U – I/2.3	The late Harappan phases: technology, architecture, religion and maritime trade	07.12.2023	Chalk & Talk
02			08.12.2023	Chalk & Talk
01	U – I/2.4	End/transformation of the Indus civilization	09.12.23	Chalk & Talk
01	M – I/2	Discussion/Remedial Class	10.12.2023	Chalk & Talk
01	U – I/3.1	The historiography of the concept Aryan	14.12.2023	Chalk & Talk
02			14.12.2023	Chalk & Talk
01	U – I/3.2	The spread of Aryan settlements in India	15.12.2023	Chalk & Talk
02			16.12.2023	Chalk & Talk
01	U – I/3.3	The period of the Vedas, Brahmanas and Upanishads	17.12.2023	Chalk & Talk
02			21.12.2023	Chalk & Talk
03			21.12.2023	Chalk & Talk
04			22.12.2023	Chalk & Talk
01	U – I/3.4	The Aryans and Political development, culture and rituals	23.12.2023	Chalk & Talk
02			24.12.2023	Chalk & Talk
03			28.12.2023	Chalk & Talk
04			28.12.2023	Chalk & Talk
01	M – I/3	Discussion/Remedial Class	29.12.2023	Chalk & Talk
01		Class Test	30.12.2023	Chalk & Talk

01		Assignment Discussion	31.12.2023	Chalk & Talk
----	--	------------------------------	------------	--------------

BANWARILAL BHALOTIA COLLEGE, ASANSOL
DEPARTMENT OF HISTORY
TEACHING PLAN: DR. SUDIP CHAKRABORTY
MAJOR-3

Lecture Number	Unit/Module	Topic of Discussion	Expected Day/Week/Month	Teaching Aid
01	U – I	A Survey of Sources of the Delh Sultanate: Introduction on literary and archaeological	03.11.2023	Chalk & Talk
02			04.11.2023	Chalk & Talk
01	U – I	Exploring the Delh Sultanate: Literary Sources	04.11.2023	Chalk & Talk
02			05.11.2023	Chalk & Talk
01	U – I	Understanding the Delh Sultanate: Archaeological Sources	09.11.2023	Chalk & Talk
02			10.11.2023	Chalk & Talk
01	U – I	Other Sources and the Delhi Sultanate	11.11.2023	Chalk & Talk
01	U – I	Discussion/Remedial Class	11.11.2023	Chalk & Talk
01	U – II	Foundation, Consolidation and Challenges to the Delhi Sultanate : An Overview	12.11.2023	Chalk & Talk
02			18.11.2023	Chalk & Talk
01	U – II	The State in the 13 th & 14 th Century : Theories of Kingship – Ruling Elites, Ulama& the Political Authority	18.11.2023	Chalk & Talk
02			19.11.2023	Chalk & Talk
01	U – II	The Mameluks	23.11.2023	Chalk & Talk
02			24.11.2023	Chalk & Talk
01	U – II	The Khaljis	25.11.2023	Chalk & Talk
02			25.11.2023	Chalk & Talk
03			26.11.2023	Chalk & Talk
04			30.11.2023	Chalk & Talk
01	U – II	The Tughlaqs	01.12.2023	Chalk & Talk
02			02.12.2023	Chalk & Talk
03			02.12.2023	Chalk & Talk
01	U – II	Mongol Threat & Timur's Invasion	03.12.2023	Chalk & Talk
02			07.12.2023	Chalk & Talk
03			08.12.2023	Chalk & Talk
01	U – II	Disintegration of the Delhi Sultanate	09.12.2023	Chalk & Talk
01	U – II	Foundation of the Mughal Empire	09.12.2023	Chalk & Talk
02			10.12.2023	Chalk & Talk
01	U – II	Discussion/Remedial Class	14.12.2023	Chalk & Talk
02			15.12.2023	Chalk & Talk
01	U - III	Emergence of Regional States: An Introduction on Vijayanagara, Bahmani Kingdom, Bengal	16.12.2023	Chalk & Talk
02			16.12.2020	Chalk & Talk
01	U – III	Vijayanagara State	17.12.2023	Chalk & Talk
02			21.12.2023	Chalk & Talk
03			22.12.2023	Chalk & Talk
01	U – III	Bahmani Kingdom	23.12.2023	Chalk & Talk
02			23.12.2023	Chalk & Talk
01	U – III	The Bengal	24.12.2023	Chalk & Talk
02			28.12.2023	Chalk & Talk
03			29.12.2023	Chalk & Talk
01		Discussion/Remedial Class	30.12.2023	Chalk & Talk
01		Class Test	30.12.2023	Chalk & Talk
01		Assignment Discussion	31.12.2023	Chalk & Talk

Teaching Plan of Keya Roy

Semester	2 nd
Course Name	MAURYAN AND GUPTA EMPIRE (MAJOR-2)
Course Code	BAHISMJ101
Assigned Syllabus	

Expected Timespan	Topics Covered	Teaching Method
1 st and 2 nd week of September, 2023	Empire Building in India	Lecture Method
3 rd week of September, 2023	Mahajanapadas to Kingdom	Lecture Method
4 th week of September, 2023	Formation of Mauryan Empire	Lecture Method
1 st week of October, 2023	Polity, Economy, Socio-Cultural Aspects of Mauryan Empire	Lecture Method
2 nd and 3 rd week of October, 2023	Downfall of Mauryan Empire	Lecture Method
4 th week of October, 2023	Revise and Doubt Clear	Lecture Method

Name	Keya Roy
Semester	3 rd
Course Name	The Feudal Society in Europe (Major-4)
Course Code	BAHISMJ302

--	--

Expected Timespan	Topics Covered	Teaching Method
1 st and 2 nd week of January 2024	Cluniac Reforms—Investiture Contest—Monasticism—	Lecture Method
3 rd & 4 th week of January 2024	Popular religion and heresy—Crusades—the order of ‘Warrior Monks’	Lecture Method
1 st & 2 nd week of February 2024	The Knights Templar, the Knights Hospitallers and the Tutoic Knights—Schoolmen—Universities—Twelfth-century Renaissance	Lecture Method
3 rd & 4 th week of February 2024	Religion and Culture- Religious tolerance and Sulh-i-kul, Din-i-ilahi	Lecture Method
1 st & 2 nd week of , March 2024	Sufi mystical and intellectual interventions-Development of Mughal painting and architecture	Lecture Method
3 rd & 4 th week of March 2024	➤ Revise and Doubt Clear	Lecture Method

Name of the teacher: Sri Amrita Haldar
2nd Semester
Course name: MAURYAN
AND GUPTA EMPIRE

Expected time span	Topics covered	Teaching method
--------------------	----------------	-----------------

1 st and 2 nd week of January 2024	Empire Building in India-Mahajan padas to Kingdom	Chalk and board
3 rd week of January 2024	Post Mauryan Empire–Sungas & Kanvas	Chalk and board
4 th week of January 2024	Indo Greeks, Kushanas & Satavahanas	Chalk and board
1 st week of February, 2024	Imperial Guptas–	Chalk and board
2 nd and 3 rd week of February, 2024	–Classical Age, Polity, Economy	Chalk and board
4 th week of February, 2024	Socio-Cultural Aspects, Downfall	Chalk and board

BANWARILAL BHALOTIA COLLEGE, ASANSOL
Department of History (Morning)
Curriculum/teaching plan for odd semester of the academic year 2023-2024



Name of the teacher: Mr. Sayantan Ganguly
1st Semester
Course name: Ancient India
History Program
Major-1

Expected time span	Topics covered	Teaching method
1 st and 2 nd week of September 2023	Corpus of Vedic literature	Chalk &Talk
3 rd and 4 th week of September 2023	Vedic age: Society, Economy and Polity	Chalk &Talk
1 st week of October 2023	Mahajanapadas	Chalk &Talk
2 nd and 3 rd week of October 2023	Gupta empire: Chandragupta-I to Samudragupta	Chalk &Talk
1 st and 2 nd week of November 2023	Gupta empire: Samudragupta to Skandagupta	Chalk &Talk
3 rd and 4 th week of November 2023	Gupta empire: Society and Culture	Chalk &Talk
1 st and 2 nd week of December 2023	Downfall of Gupta empire	Chalk &Talk

BANWARILAL BHALOTIA COLLEGE, ASANSOL
Department of History (Morning)
Curriculum/teaching plan for even semester of the academic year 2023-2024



Name of the teacher: Mr. Sayantan Ganguly
2nd Semester
Course name: Medieval India
Course code:
Major-2

Expected time span	Topics covered	Teaching method
1 st and 2 nd week of March 2024	The Palas- Struggle over Kannauj in the 8 th and 9 th century	Chalk and board
3 rd week of March 2024	South India under the Cholas	Chalk and board
4 th week of March 2024	The Senas of Bengal	Chalk and board
1 st week of April 2024	Arab Conquest of Sindh: Nature and impact	Chalk and board
2 nd and 3 rd week of April 2024	Causes and consequences of Early Turkish Invasion: Mahmud of Ghazni and Shihib-ud-din of Ghur	Chalk and board
4 th week of April 2024	Establishment and consolidation of the Sultanate: Slave dynasty	Chalk and board
1 st week of May 2024	Establishment and consolidation of the Sultanate: Khilji dynasty	Chalk and board
2 nd week of May 2024	Establishment and consolidation of the Sultanate: Tughlaq dynasty	Chalk and board
3 rd week of May 2024	Establishment and consolidation of the Sultanate: Syed and Lodhi dynasty	Chalk and board
4 th week of May 2024	Bhakti and Sufism	Chalk and board

Name of the teacher: Dr. Goutam Majee
1st Semester
Course name: EARLY
HISTORY OF INDIA
(PROTOHISTORY TO 6TH
CENTURY B.C.E)
Major-1

Expected time span	Topics covered	Teaching method
1 st and 2 nd week of September 2023	Historical theories and interpretations about the Indian past	Chalk and board
3 rd and 4 th week of September 2023	1.2 The idea of Bharatavarsha: Indian subcontinent with all its diversity and cultural traditions	Chalk and board
1 st week of October 2023	1.3 An over view of literary and archaeological sources	Chalk and board
2 nd and 3 rd week of October 2023	3.4 Political development, culture and rituals of Vedic age	Chalk and board
1 st and 2 nd week of November 2023	The Vedic education	Chalk and board
3 rd and 4 th week of November 2023	The Vedic Language and literature	Chalk and board
1 st and 2 nd week of December 2023	The Vedic Science and technology	Chalk and board

BANWARILAL BHALOTIA COLLEGE, ASANSOL



Department of History (Morning)
Curriculum/teaching plan for odd semester of the academic year 2023-2024

Name of the teacher: Mr. SUBHASH SIDHARTH
1st Semester

Course name: Ancient India
MAJOR-1

Expected time span	Topics covered	Teaching method
--------------------	----------------	-----------------

1 st and 2 nd week of September 2023	Sources of Mouryan Age	Chalk & Talk
3 rd and 4 th week of September 2023	History of Chandragupta Mourya to Ashoka.	Chalk & Talk
1 st week of October 2023	Administration, Society, Culture and Causes of Decline.	Chalk & Talk
2 nd and 3 rd week of October 2023	History of Harshavardhan.	Chalk & Talk
1 st and 2 nd week of November 2023	History of Bengal	Chalk & Talk
3 rd and 4 th week of November 2023	History of South India	Chalk & Talk
1 st and 2 nd week of December 2023	Discussion and Doubt Clear.	Chalk & Talk

BANWARILAL BHALOTIA COLLEGE, ASANSOL



Department of History (Morning)
Curriculum/teaching plan for even semester of the academic year 2023-2024

**Name of the teacher: Mr. SUBHASH
SIDHARTH
2nd Semester
Course name: Medieval India
MAJOR-2**

Expected time span	Topics covered	Teaching method
1 st and 2 nd week of March 2024	History of Vijayanagara Empire, Different dynasties.	Chalk and board
3 rd week of March 2024	History of Bahamani Dynasty.	Chalk and board
4 th week of March 2024	History of Bengal, Hussain Shahi And Iliyash Shahi.	Chalk and board
1 st week of April 2024	Sources of Mughal Age	Chalk and board
2 nd and 3 rd week of April 2024	Establishment of Mughal Empire, History of Babur and Humayun.	Chalk and board
4 th week of April 2024	History of Akbar	Chalk and board
1 st week of May 2024	History Of Jahangir and Shahjahan.	Chalk and board
2 nd week of May 2024	Administration of Mughal Age.	Chalk and board
3 rd week of May 2024	Economy and Culture of Mughal Age.	Chalk and board
4 th week of May 2024	Discussion and Doubt Clear.	Chalk and board

Name	Dr. Sudip Chakraborty
Semester	5 th
Course Name	Colonial Impact On Indian Economy And Society: 1757-1900 CE
Course Code	BAHHISC501
Assigned Syllabus	Unit – 4, 5

Expected Timespan	Topics Covered	Teaching Method
1 st and 2 nd week of September 2023	<ul style="list-style-type: none"> ➤ Census and Caste ➤ Colonial ethnology-Sanskritisation 	Lecture Method
3 rd & 4 th week of September, 2023	<ul style="list-style-type: none"> ➤ Western Education and Social reform 	Lecture Method
1 st & 2 nd week of October, 2023	<ul style="list-style-type: none"> ➤ Brahma Samaj & Prarthana Samaj 	Lecture Method
3 rd & 4 th week of October, 2023	<ul style="list-style-type: none"> ➤ Reformism and Revivalism 	Lecture Method
1 st & 2 nd week of November, 2023	<ul style="list-style-type: none"> ➤ The Arya Samaj ➤ Ramkrishna Vivekananda Movement 	Lecture Method
3 rd & 4 th week of November, 2023	<ul style="list-style-type: none"> ➤ Revise and Doubt Clear 	Lecture Method

Name	Dr. Sudip Chakraborty
Semester	6 th
Course Name	War and Diplomacy: 1914 - 1945 CE
Course Code	BAHHISC601
Assigned Syllabus	Unit 1: Module – 2, 3 & Unit 2 : Module – 1

Expected Timespan	Topics Covered	Teaching Method
1 st and 2 nd week of February 2024	<ul style="list-style-type: none"> ➤ War- time politics in Russia ➤ The provisional government under Kerensky 	Lecture Method
3 rd & 4 th week of February 2024	<ul style="list-style-type: none"> ➤ The Bolshevik Revolution: Lenin and Trotsky ➤ The new Soviet Order 	Lecture Method
1 st and 2 nd week of March 2024	<ul style="list-style-type: none"> ➤ From Lenin to Stalin ➤ Soviet foreign policy 1917-1939 	Lecture Method
3 rd & 4 th week of March 2024	<ul style="list-style-type: none"> ➤ The new balance of power ➤ League of Nations ➤ Draft Treaty of Mutual Assistance, 1923 	Lecture Method
1 st & 2 nd week of April 2024	<ul style="list-style-type: none"> ➤ Geneva Protocol, 1924 ➤ Locarno Treaties, 1925 ➤ Pact of Paris, 1928 	Lecture Method
3 rd & 4 th week of April 2024	<ul style="list-style-type: none"> ➤ Economic depression, 1929-32: prelude to the Second World War ➤ Rise of dictatorship in Germany and Italy - a study in tyranny 	Lecture Method
1 st and 2 nd week of May 2024	<ul style="list-style-type: none"> ➤ Spain on fire: the Civil War, 1936-39 ➤ Diplomatic moves: the Nazi-Soviet Nonaggression Pact and the Rome-Berlin-Tokyo Axis 	Lecture Method
3 rd & 4 th week of May 2024	<ul style="list-style-type: none"> ➤ Revise and Doubt Clear 	Lecture Method

Name of the teacher: Sri Amrita Haldar
4th Semester
Course name: The Making of Indian Foreign Policy: 1947-
1998 CE Course Code: BAHHISSE401
Unit 1 to Unit 6(Full Paper)
Assigned Classes: 6 classes per week

Expected time span	Topic covered	Teaching method
1 st and 2 nd week of March 2024	Historical Factors in India's foreign policy priorities	Chalk and board
3 rd week of March 2024	pan Asianism	Chalk and board
4 th week of March 2024	The State India and the Third World	Chalk and board
1 st week of April 2024	India and South Asia: Relationship with the Neighbours	Chalk and board
2 nd week of April 2024	India and the Great Powers – (a) United States (b) Soviet Union	Chalk and board
3 rd week of April 2024	India and Globalization	Chalk and board
4 th week of April 2024	India's Nuclear Policy	Chalk and board

1 st week of May 2024	– Non-alignment – Regional Cooperation	Chalk and board
2 nd week of May 2024	– The Look East Policy and the European Union	Chalk and board
3 rd week of May 2024	India and the Great Powers – China	Chalk and board
4 th week of May 2024	Relation between India and Bangladesh	Chalk and board

Name of the teacher: Sri Amrita Haldar

6th Semester

Course name: International Relations: 1945-1991 CE

Course Code: BAHHISDSE604

Unit-1- Cold War—Its Ideology,

Unit-3-NATO, SEATO, COMECON, Warsaw Pact

UNIT - 4 Crisis in Hungary, Polish question, Suez crisis, Palestine problem, Iran-Iraq conflict, Gulf War of 1990-91, Arab-Israel War

Unit-5-Third World and Its ideology, organizations:

OPEC, SAARC, ASEAN.

Assigned Classes: 6 classes per week

Expected time span	Topics covered	Teaching methods
1 st week of February 2024	A New World Order and the Origin of the Cold War.	Chalk and board
2 nd week of February 2024	Cold War—Its Ideology.	Chalk and board
3 rd and 4 th week of February 2024	American and Soviet Block	Chalk and board
1 st and 2 nd week of March 2024	Economic and military alliance: NATO	Chalk and board
3 rd and 4 th week of March 2024	SEATO, COMECON, Warsaw Pact	Chalk and board
1 st and 2 nd week of April 2024	Crisis in Hungary, Polish question, Suez crisis, Palestine problem	Chalk and board
3 rd and 4 th week of April 2024	Iran-Iraq conflict	Chalk and board

1 st and 2 nd week of May 2024	Gulf War of 1990-91, Arab-Israel War	Chalk and board
3 rd and 4 th week of May 2024	Third World and Its ideology.	Chalk and board
3 rd and 4 th week of May 2024	organizations: OPEC, SAARC, ASEAN.	Chalk and board