

# BANWARILAL BHALOTIA COLLEGE Govt. Sponsored UG and PG College (Affiliated to Kazi Nazrul University) G.T. Road, Ushagram, Asansol-713303 West Bengal, India

## Supportive documents for 2.3.1

Student centric methods, such as experiential learning, participative learning and problemsolving methodologies are used for enhancing learning experiences

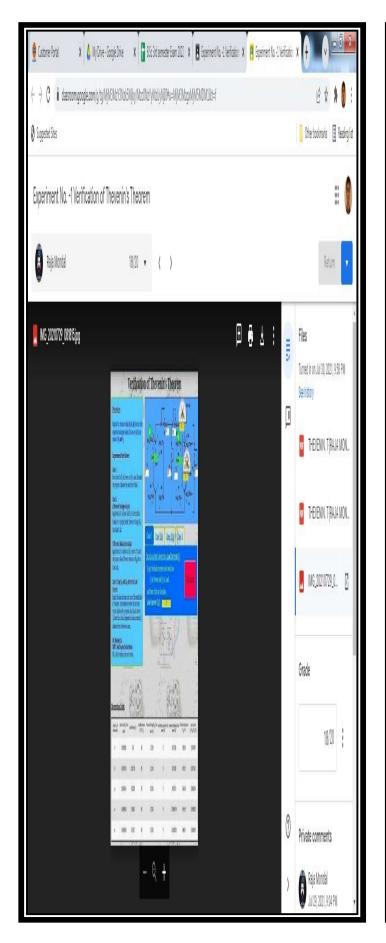
# 2.3.1 Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

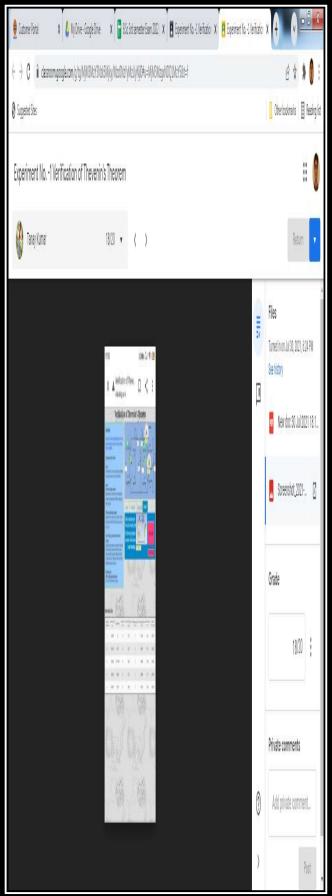
## VIRTUAL LAB PERFORMED BY PHYSICS DEPARTMENT STUDENTS





## Virtual lab performed by Physics Department Students



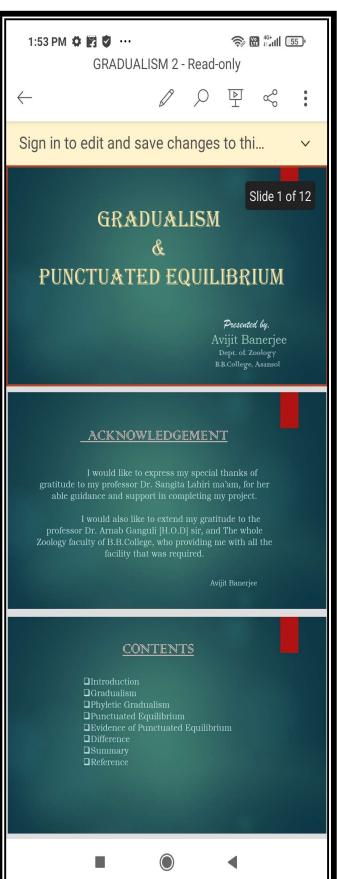


## Field tour arranged by Department of Botany

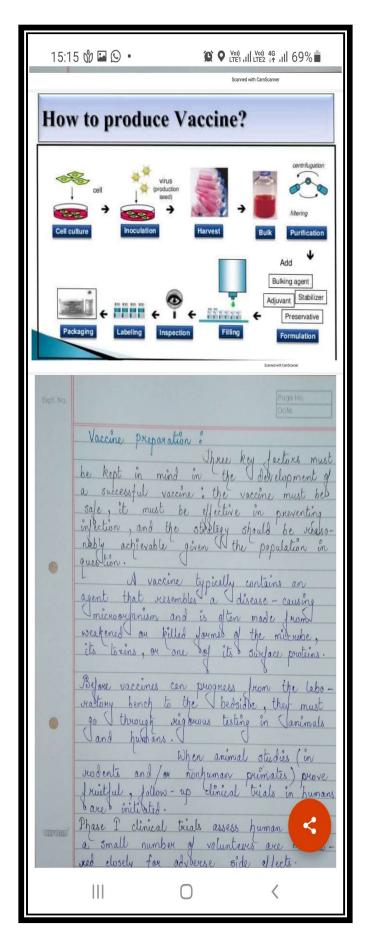


### Initiative for interactive learning undertaken by Post Graduate Department of Zoology



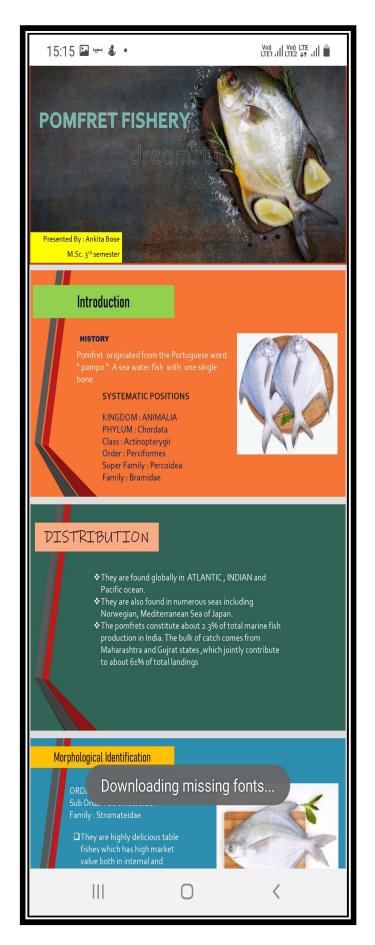


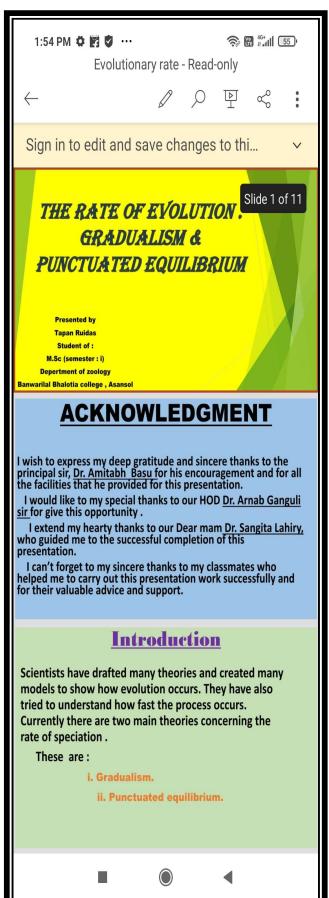
## Initiative for interactive learning undertaken by Post Graduate Department of Zoology (Continued)





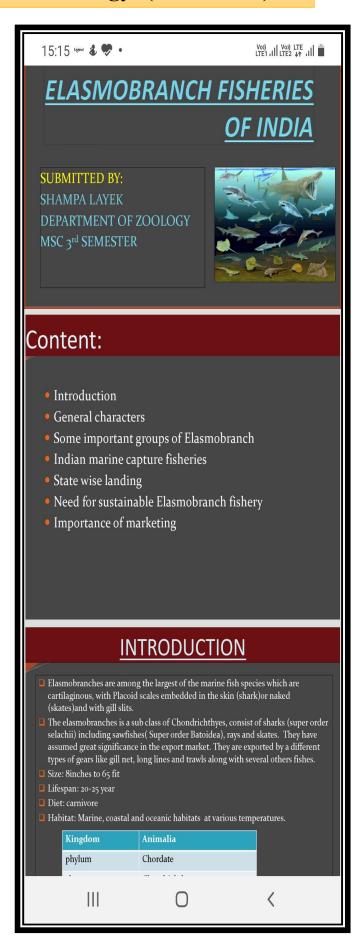
## Initiative for interactive learning undertaken by Post Graduate Department of Zoology (Continued)





# Initiative for interactive learning undertaken by Post Graduate Department of Zoology (Continued)

## 15:14 w 🖾 🖸 • © Q (V0) 11 (V0) 4G 11 69% ■ <sup>1)</sup>Germ-Line gene therapy experiments would involve too much specific uncentainly and clinical risks, and the long term effects of such ii) Such gene therapy would open the door to attempts at altering human traits not associated with disease, which could exacerbate problems of iii) Gene therapy is very expensive, and will never be cost effective enough to merit high social priority: Ethical issues surrounding gene therapy: <sup>i)</sup> How can good "and" bad "use of gene therapy be distinguished? ii) Who decides which traits are normal and which constitute a disability or disorder? iii) Will the high costs of gene therapy make it available only to the wealthy? is Could the widespread use of gene therapy make society less accepting of people coho ane different? v) Should people be allowed to use gene therapy to enhance basic human traits such as height, intelligence, or athletic ability? PAGE NO. -9 Conclusion To cure genetic disease, scientists must first determine which gene or set of genes causes each disease. The Human Genome Projectand other international efforts have recently completed the initial work of sequencing and mapping virtually all of the 30,000 genes in the human cell. This research will provide new strategies to diagnose streat cure and possibly prevent human diseases. Although this Information will help scientists determine the genetic basis of many disease it will be a long time before disease actually can be treated through gene therapy. Seene therapy's potential to revolutionize medicine in the tuture is exciting and its expectations for curing and preventing childhood disease are encounaging one chy it may be possible to treat an unborn child in where for a genetic disease even before it come in to this world. Acknowledgement I would like to extend my special thanks and grati-our honorable HOD, Dr. Arnab Ganguly and Professors, Mrs. s. Chakraborty and Mrs. Farqua Jamal for guidance and support n Completing my assignment and Presentation.



## Department of Physics, B. B. College, Asansol-3

## Schedule of BSc 2<sup>nd</sup> Semester Practical Examination 2022

Subject: Physics (Honours)

Sl No.	Date of Exam	KNU Registration No. of students (10221122)	Time of Exam	Practical Paper	
1	25.07.2022	0090, 0338, 0117, 0184, 0284, 0014, 0248	11 am – 1 pm	Electricity &	
	,	0203, 0330, 0119, 0018, 0169, 0182, 0075	2 pm – 4 pm	Magnetism	
2	26.07.2022	0307, 0179, 0366, 0188, 0371, 0111, 0273	11 am – 1 pm	Electricity &	
		0175, 0092, 0370, 0189, 0114, 0157, 0012	2 pm – 4 pm	Magnetism	
		0346, 0468, 0171, 0149, 0251, 0024, 0053,	11 am – 1 pm	Electricity &	
4	28.07.2022	0236, 0387, 0493, 0185, 0362	2 pm – 4 pm	Magnetism	
4	04.08.2022	0090, 0338, 0117, 0184, 0284, 0014, 0248, 0203, 0330, 0119, 0018, 0169, 0182, 0075, 0307, 0179, 0366, 0188, 0371, 0111	11 am – 1 pm	Mathematical Methods of	
		0273, 0175, 0092, 0370, 0189, 0114, 0157, 0012, 0346, 0468, 0171, 0149, 0251, 0024, 0053, 0236, 0387, 0493, 0185, 0362	2 pm – 4 pm	Physics-II	

#### Examiners:

- 1. Dr. Sandip Sen, External Examiner, T. D. B. College, Raniganj.
- 2. Dr. Kajal Krishna Dey, Internal Examiner, B. B. College, Asansol
- 3. Dr. Abhik Ghosh, Internal Examiner, B. B. College, Asansol
- 4. Dr. Ambalika Biswas, Internal Examiner, B. B. College, Asansol

RKRON 22, 07, 2022 HOD

Department of Physics,

B. B. College, Asansol-3.



Head (UG & PG)



# DEPARTMENT OF PHYSICS (PG & UG) Banwarilal Bhalotia College

Constituent College of the Kazi Nazrul University Govt. Sponsored (U.G & P.G.) Asansol-713303, West Bengal, India

## **B.SC. INTERNAL EXAMINATION 2022**

## 1.B.Sc. Physics (Honours Sem II)

Paper	Paper Setter/ Uploader	E Mail Id of Paper Setter	Moderator	Invigilator	Examiner
Mathematic al Methods of Physics-II	Dr. J. K. Majhi	devmajhi794@gmail .com	Dr. R. K. Roy	Dr. Shrabani Mondal	Dr. J. K. Majhi
Electricity (CC-4)	Dr. Ambalika Biswas	ambalika.official.20 20@gmail.com	Dr. Kajal Krishna Dey	Dr. Ambalika Biswas	Dr. Ambalika Biswas

#### II.B. Sc. Physics (Program Sem II)

Paper	Paper Setter/ Uploader	E Mail Id of Paper Setter		Invigilator	Examiner
Electricity & Magnetism	Dr. Kajal Maji	kajalmaji300 @gmail.com	Dr. Abhik Ghosh	Dr. Kajal Maji	Dr. Kajal Maj

Note: Minimum 50 MCQ having four options are to be prepared for each paper. The MCQ are to be uploaded in the computer of the centralized Computer Room on 13th June to 15th June 2022 he base are to be prepared as images the E-Mail id of paper setters. The MCQ containing symbols are to be prepared as images (IPEG, etc).



# DEPARTMENT OF PHYSICS (PG & UG)

## Banwarilal Bhalotia College

Constituent College of the Kazi Nazrul University Govt. Sponsored (U.G & P.G.) Asansol-713303, West Bengal (India)

Date: 11/07/2022

#### **NOTICE**

The students of B.Sc Semester-IV having subject Physics (Generic+Program) are hereby informed that the University Practical Examination-2022 will be held according to the following schedule in the Department of Physics.

Date	Registration nos.	Time	Paper
19/07/2023		11AM-1PM	GE-4
*.,	4451,4643,5956,4461,4628,4783,5693		
	KNU2010200	2PM-4PM	GE-4
	6763,6100,6764,6168,2403,5100,6787	÷	
20/07/2023	KNU2010200	11AM-1PM	GE-4
	5318,4625,4828,4746,4799,5328,5251		,
	KNU2010200	2PM-4PM	GE-4
	4516,4533,5816,6466,5447,5016,4893		
	KNU2010200	11AM-1PM	Program
	5094,5279,4818,4768,4921,5107,5550,5122		
21/07/2022		2DM 4 4DM 4	Danasan
	KNU2010200	2PM-4PM	Program
	4500,5892,6030,5391,5123,5738,5659,6850		
		1	

- 1. Dr. Ajay Sharma, External Examiner, B.C. College, Asansol
- 2. Dr. K.K. Dey, Internal Examiner, B.B. College, Asansol
- 3. Dr. J.K. Majhi, Internal Examiner, B.B. College, Asansol
- 4. Sri K. Maji, Internal Examiner, B.B. College, Asansol
- 5. Dr. S. Mondal, Internal Examiner, B.B. College, Asansol



Dept. Of Physics B.B.College

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



## **DEPARTMENT OF PHYSICS (PG & UG)** BANWARILAL BHALOTIA COLLEGE

Asansol — 713 303, West Bengal, INDIA Government Sponsored with Post-Graduate Faculty

## **NOTICE**

All the 4th Semester Physics (H) students are hereby instructed to consult the corresponding supervisor for their SEC project. The project distribution is given below.

## SEC-II: Basic Instrumentation Skills

Group	Project Title	Supervisor
G1	Measurement of Voltage, Frequency, Time Period and Phase angle.	Dr. P. Ghosh
G2	Measurement of rise, fall and delay time using CRO	Dr. K. Mukherjee
G3	Measurement of R, L and C using LCR bridge or universal bridge-	Sri. K. Maji
G4	Working principle of function generator	Dr. A. Biswas
G5	Working Principle of Q meter with Block diagram	Dr. R.K. Roy
G6	To draw the Lissajous figure using CR	Dr. J. K. Majhi
<b>G</b> 7	Working principle of Digital meters (Volt meter, ammeter etc.)	Dr. A. Ghosh
G8	Working principle of AC milli voltmeter	Dr. S Mandal
G9	Working principle and application of transformer	Dr. K.K. Dey
G10	To observe the loading effect of a multimeter while measuring voltage across a low resistance and high resistance	Dr. A. K. Mukherjee

