

Department of Allied Sciences (Physics)

Schedule of End Term Practical Exam (PPH 251) (Online) – 31 July 2021 onwards

It is to bring to notice that **End Term Practical exam (PPH-251) will commence from 31 July 2021**. There are two parts of this examination. **Part A- Descriptive** (write-up of one experiment out of two allotted experiments). Part A (Marks 30) will be held on 31-July-2021 at exam.geu.ac.in [for Descriptive -write up only]. The **Part- B** is **viva-voce** (online -through MS teams- marks 20) which will be held from 4 August 2021 onwards. Please find the schedule of Part-A and Part-B below.

List of experiments

1. Fresnel's Biprism
2. Newton's Ring experiment
3. Malus Law Experiment
4. Variation of Magnetic field of circular coil carrying current.
5. Planck's Constant
6. Polarimeter- specific rotation of sugar
7. Grating-determination of wavelengths in white light
8. Solar cell-characteristics
9. Calibration of Voltmeter
10. Band Gap- Four probe method

Part A – Submission of write-up of one experiment from allotted two experiments (Marks 30) at exam.geu.ac.in.

Part	Type	Marks	Date	Timing
Part A	Descriptive (write-up of one experiment out of two allotted experiments)	30 Marks	31 July 2021	05:00 pm to 06:00 pm (Write-Up) (60 minutes)
	Scanning answer sheet and uploading	-----		06:00 pm to 06:30 pm Uploading Time (30 minutes)

Instructions for write up

Two experiments will be allocated to each student. Write-up of one experiment out of two in his/her own handwriting **written** on A4 sheets/loose sheets must be submitted at exam.geu.ac.in. The assessment will be done for the allocated experiment only.

- Write-up of an experiment include aim, apparatus, theory, diagrams which carries – **20 marks**.
 - Aim
 - Apparatus Required
 - Formula Used
 - Theory
 - Relevant diagrams
 - Observation Table (along with Least count)
 - Calculation (mention percentage error)
 - Sources of error and precautions
 - The observation table, graphs and calculation are to be made, based on observation tables provided in your experiment manuals – **10 marks**. Graph should be plotted with pencil according to the observations in observation-table.
- 2) Total duration for write-up is **60 minutes** (including writing the experiment along with calculation and graph). For scanning the

sheets and uploading/sending them on the exam MOODLE portal (LMS), additional **30 minutes** will be given to students.

- 3) The syntax for naming the scanned copy of write up will be
 Section _ University Roll number_ Name of student
 (eg: **B_1600125_ Rahul**)
- 4) All students must mention the following information on the **first page of the write-up**.

B. Tech (Physics Group)

End Term Engineering Physics Practical Exam (online) Write-Up

Subject: **Engineering Physics Practical**

Subject Code: **PPH 251**

Date of Exam: **31 July-2021**

Semester: **Second**

Section: **_**

Name of the Student: _____

Father's Name: _____

University Roll Number: _____

Enrolment Number: _____

Signature of the student _____

- On rest of the pages, only mention **your name, university roll number** and **sign** on the top or bottom of each page.
- Please mention the **page number** on **Top** of each page of the assignment.
- Please use only blue or black ball pen for writing the write-up.

Note:

- ✓ The assessment will be done for the allocated experiment only.
- ✓ Students will upload the scanned pdf of the lab exam answer sheet on the exam MOODLE portal only.
- ✓ Students **will not send** the scanned pdf on **email** or **WhatsApp** without the prior permission from the respective faculty member.

Part B - Online Viva-voce by externals from 4 Aug. 2021 onwards (Marks -**20**). Viva of 3-4 students will be conducted at a time. Please find Schedule below.

Note: The timings to appear for a group of students on LMS will be shared just before the day of exam by internal examiner.

		Marks	Date	Section	Group	Time	
Part B	Online viva-voce on MS-team	20 Marks	4 August 2021	G	G1	9:30 am onwards	
					G2	2:30 pm onwards	
				H	Complete section		9:30 am onwards
					Q	Q1	9:30 am onwards
			Q2	2:30 pm onwards			
			5 August 2021	A	A1	9:30 am onwards	
					A2	2:30 pm onwards	
				E	E1	9:30 am onwards	
					E2	2:30 pm onwards	
			F	F1	9:30 am onwards		
				F2	2:30 pm onwards		
			6 August 2021	B	B1	9:30 am onwards	
					B2	2:30 pm onwards	
				C	C1	9:30 am onwards	
C2	2:30 pm onwards						
D	D1	9:30 am onwards					
	D2	2:30 pm onwards					