

END TERM EXAMINATION, 2021

Department of Electronics & Communication Engineering

Basic Electronics Engineering Practical (PEC 251)

Schedule for write-up:

Write-up	Mode	Date of exam	Timings
Writeup on experiments allocated to individual students including PDF making and uploading.	exam.geu.ac.in (LMS)	30/07/21	5:00 PM-6:30 PM

Schedule for Viva on Teams:

Section	Date of exam	Timings
I	04/08/21	9:30AM onwards
J	04/08/21	9:30AM onwards
K	04/08/21	9:30AM onwards
L	07/08/21	9:30AM onwards
M	05/08/21	9:30AM onwards
N	03/08/21	9:30AM onwards
O	03/08/21	9:30AM onwards
P	03/08/21	9:30AM onwards

List of Experiments:

- **Experiment no 1:** Familiarization of Electronics measuring instrument and components.
- **Experiment no 2:** Measure the Voltage and frequency using a CRO..
- **Experiment no 3:** Measurement of Resistance, Capacitance, Voltage and Current using Digital Multimeter.
- **Experiment no 4:** Study V-I characteristics of PN junction diode.
- **Experiment no 5:** Study of logic gates.
- **Experiment no 6:** Study V-I characteristics of PN junction diode and determine the static and dynamic resistance from the characteristic curve.
- **Experiment no 7:** Study V-I characteristics of Zener diode and determine its voltage regulation.

- **Experiment no 8:** Study of a Half Wave rectifier circuit with and without capacitor filter.
- **Experiment no 9:** Study of a Full Wave rectifier circuit with and without capacitor filter.
- **Experiment no 10:** Study the input and output characteristics of common base (CB) transistor.

Instructions:

Viva:

1. Each student will be asked questions from all the experiments. The viva will be conducted by the respective section faculty in the presence of external examiner.
2. Viva will be interactive and one-on-one basis.
3. Students will be called in a group of three. The list of groups will be shared separately.
4. Students must keep their videos ON during the viva
5. The link for viva will be send in the morning before the examination starts.

Write-up:

1. The list of experiments along with roll numbers will be available on Moodle. You can see the experiment which you have to perform after logging in to the examination portal.
2. Time of write-up: 1hr; Time for making PDF and upload: 30 mins
3. It is mandatory for the students to upload the write-up on LMS Exam Portal.
4. Name and roll number (both, class roll no and university roll no.) should be mentioned in the writeup with undersigned.
5. The writeup should be in a single scan PDF with the PDF file name kept as 'Name of student, class roll no& Experiment No.' (for e.g.: -XYZ_01_01).
6. The writeup needs to have Aim, Requirement, Theory, Diagrams, Observation table, Calculation & Result against the experiment allotted.

Coordinator
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HoD
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