

Internal Assessment Assignment

Program: B. Tech. (It & Mathematical Innovation)
Department: Cluster Innovation Centre, University of Delhi
Semester: II
Title of Paper: Electronics at Work & Circuit Simulation
Paper code: II. 7.2 (911213)

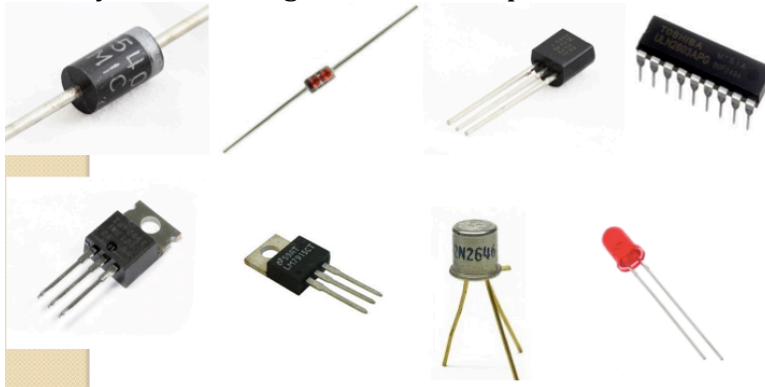
Name of Student:
Roll Number of student:.....
Date of Submission:.....

Instructions:

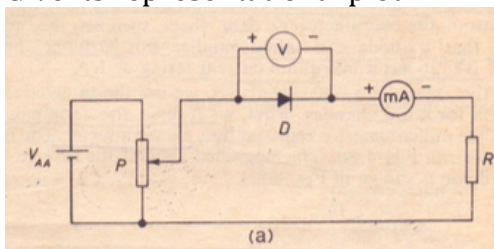
- Email your solved assignment to pankajtyagicicdu@gmail.com or whatsapp at 9810726750 on or before 20.05.2020.
- Mention the name of the Program, Semester, title of practical paper and name of the student at the top of each of the answer sheets before submission.

Answer the following questions:

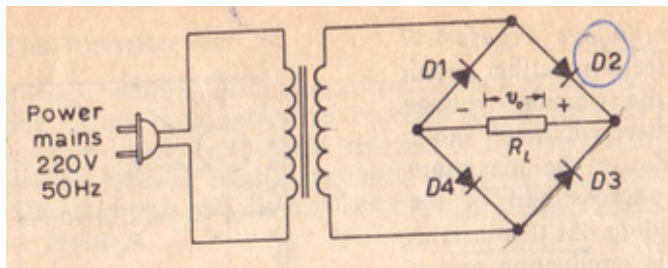
- Distinguish between electrical and electronic devices.
- Write five properties of capacitors.
- Where do one make use of transformers?
- What is the difference between an ideal and practical voltage source?
- Identify the following electronic components.



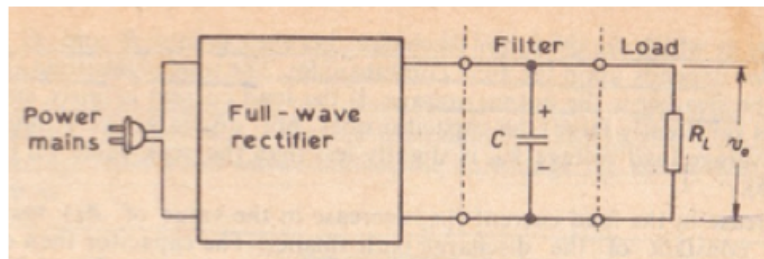
- Identify which I-V characteristic can be plotted using circuit shown below. Give its representational plot.



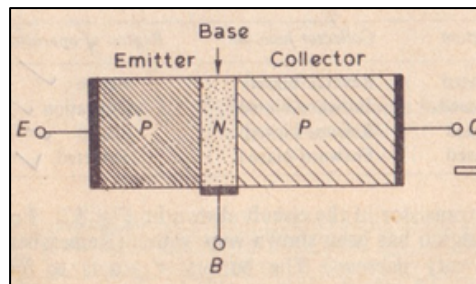
7. Draw output of following circuit:



8. Draw output of following circuit:



9. What is the role of three terminals in the electronic component shown below.



10. What does input and output characteristics of a transistor depicts?