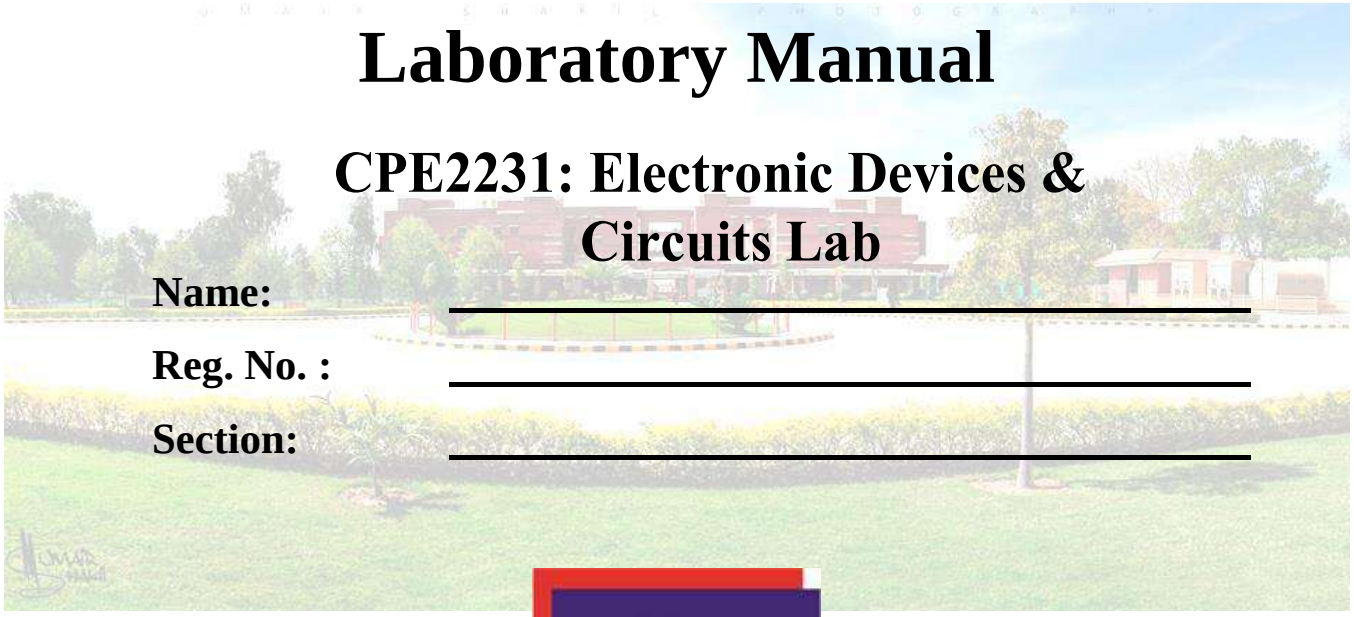


Laboratory Manual

CPE2231: Electronic Devices & Circuits Lab

Name: _____

Reg. No. : _____

Section: _____

Department of Electrical & Computer Engineering

Capital University of Science and Technology

Islamabad, Pakistan

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Prepared By: Engr. Ahmed Ali

Revised By: Engr. Awais Riaz

S. No	List of Experiments
1	Oscilloscope and Function Generator Operation
2	V-I Characteristics of Diode
3	Analysis of Series and Parallel Connected Diodes
4	Analysis of Half and Full Wave Rectifiers
5	Operation of Clipper Circuits
6	Light Emitting and Zener Diode
7	DC Analysis of Bipolar Junction Transistor (BJT)
8	Determination of Q-Point for Fixed and Voltage Divider Bias Configuration of a BJT
9	DC Analysis of Junction Field Effect Transistor (JFET)
10	Determination of Q-Point for Fixed, Self and Voltage Divider Bias Configuration of JFET Circuits
11	AC Analysis of Common Emitter and Common Base Amplifier
12	AC Analysis of Common Source JFET Amplifier

Lab Safety Rules

- Be sure that all equipment is properly working before using them for laboratory exercises. Any defective equipment must be reported immediately to the Lab Engineer or Lab Technical Staff.
- Students should keep a safe distance from the circuit breakers, electric circuits or any moving parts during the experiment.
- Avoid any part of your body to be connected to the energized circuit and ground.
- Switch off the equipment and disconnect the power supplies from the circuit before leaving the laboratory.
- Make sure that the last connection to be made in your circuit is the power supply and first thing to be disconnected is also the power supply.
- Equipment should not be removed, transferred to any location without permission from the laboratory staff.