PH-SEC-1

Electrical Circuits and Network Skills (Practical)

Sr.No.	Experiment
1	Identify different electrical components: Resistor, Capacitor, variable resistor, Rheostat, dc voltage sources: battery, battery eliminator, power supply.
2	Use ammeter and voltmeter in a circuit and measure current and voltage
3	Use a Multimeter for measuring (a) Resistances, (b) AC and DC Voltages, (c) DC Current, and Checking electrical continuity.
4	Connect resistances in series and parallel and measure the equivalent resistance using multimeter
5	Build a dc circuit using elements like battery, resistances and switch and measure current flow and voltage drop across the components.
6	Identify the electronic components like rectifying diodes, Zener diodes, transistor, carbon resistance, capacitors, and test them with multimeter

Recommended Books:

1. A textbook in Electrical Technology - B L Theraja - S Chand & Co.
2. A textbook of Electrical Technology - A K Theraja
3. Performance and design of AC machines - M G Say ELBS Edn.