



**Department of Electrical Engineering**

**Question Bank – ESPD – Unit 1**

Que1: Draw the electric symbol for the following:

- i) Kinds of current.
- ii) Conductors.
- iii) Circuit Elements.
- iv) Terminals and Connections of conductors.

Que2: Explain the difference between schematic diagram and Wiring diagram. Use drawing as an example to explain the difference. How does this differs from a single line diagram.

Que3: What are the types of system of connection of appliances and accessories?

Que4: Why series and parallel connections are generally considered unsuitable?

Que5: Explain the joint box and looping in system of wiring using both schematic and wiring diagram?

Que6: Two lamps and a fan are to be controlled independently by separate switches. The switches and fan regulators are placed on one switch board. Draw the schematic diagram and the wiring diagram in both joint box and looping in system of wiring.

Que7: Draw the single line diagram for the above circuit Que6.

Que8: Draw schematic and wiring diagram for an alarm circuit:

- i) With relay
- ii) Without relay

Que9: What is the function of NO and NC Switches in an alarm circuit with relay?

**Solve the following examples from Raina and Bhattacharya Book:**

- i) 2.3.1
- ii) 2.3.2
- iii) 2.3.4
- iv) 2.6.2
- v) 2.6.3
- vi) 2.6.8