

**ELECTRICIAN, ELECTROPLATOR, LIFT MECHANIC/LIFT & ESCALATOR  
MECHANIC, WIREMAN  
(PRACTICAL)  
SEMESTER-I**

**TIME: 8 Hrs.**

**MARKS: 270**

**Note: Attempt all questions. All question carry equal marks.**

1. Plot and demonstrate the working characteristics of PN junction diode and Zener diode.
2. Demonstrate and draw the connection diagram of staircase lighting arrangement using the two way switch.
3. Demonstrate the operation and mechanism of ELCB.

**Or**

Verify Kirchoff's current and voltage laws.

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