

PAPER-III
ELECTRICIAN, ELECTROPLATER, LIFT MECHANIC/ LIFT &
ESCALATOR MECHANIC
(ENGINEERING DRAWING)
SEMESTER-III

TIME: 4 HRS.

MARKS: 75

Note: Attempt All the questions. All questions carry equal marks.

1. Draw the symbols used for the following :

- (a) Contactor
- (b) Sine Wave
- (c) Auto Transformer
- (d) DPTT Switch
- (e) SCR
- (f) FET
- (g) Triangular Wave
- (h) UJT
- (i) 2-Input NAND gate
- (j) ZENER diode
- (k) DIAC
- (l) MOSFET
- (m) PNP Transistor
- (n) IGBT
- (o) TRIAC

2. Draw the diagrams of the following :

- (a) Circuit diagram of Staircase wiring.
 - (b) Typical Marking Plate of Distribution transformer.
3. Draw the detailed internal diagram of calling bell and the circuit diagram of the working of calling bell on 24 volt battery.
4. Draw the schematic diagram of SCR based DC motor speed controller.
5. Draw the free hand sketch of DC 3 Point motor starter.
