

Q.5 Draw the Schematic and Wiring diagram for Forwarding/ Reversing the direction of rotation of 3Phase Induction motor. 12Marks

Q.6 Explain briefly following AUTOCAD commands 08Marks

I) TRIM

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4th Sem. / EEE

Subject :ELECTRICAL ENGG. DESIGN & DRAWING

Time : 3 Hrs.

M.M. : 100

SECTION-A

Q.1 Draw the symbols of following (attempt any 10)
(10x1=10)

- a) Two way switch
- b) Energy Meter
- c) Neutral Link
- d) Squirrel Cage Induction motor
- e) Three phase Auto Transformer
- f) Earth Point
- g) Buzzer
- h) HRC Fuse
- I) TPIC Switch
- j) Volt meter
- k) Siren
- l) AC Motor

Q.2 Draw the complete Wiring diagram of a house showing Energy Meter, Main Switch, Two Distribution Board. Six no. of sub circuits on one distribution board while Five sub circuits on another distribution board and also showing the wiring of 01 fan, 01 lamp and one 06 Amp. socket connection from anyone sub circuit.

Q.3 The isometric view of MCB is shown in the fig-1.
Draw the following orthographic views
25 marks

i) Front View ii) Side View ii) Top View

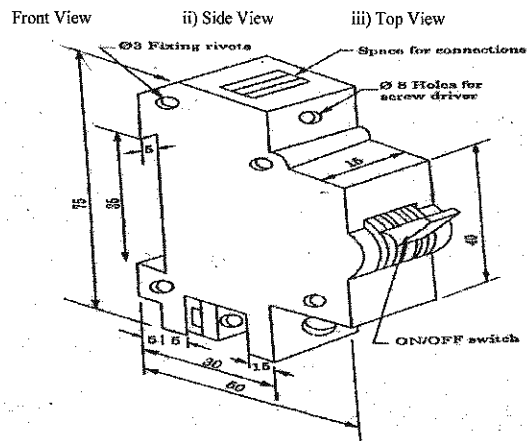


Figure-1

(2)

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Q.4 The isometric view of END COVER of Induction Motor is shown in the figure-2. Draw the following orthographic views. 25Marks

iv) Front View

v) Side View

vi) Top View

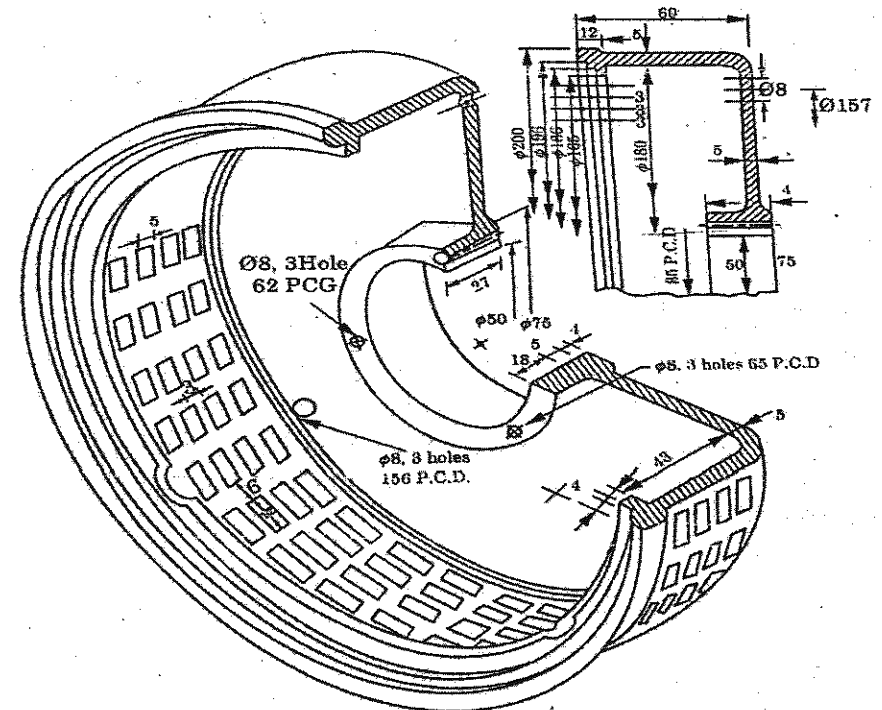


Figure 2

(3)

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