No. of Printed Pages : 4
Roll No. .....

170934/120934/030934

3th Sem. / Electrical, Trade Power Station, Elct. & Elex. Engg

Subject : EEDD-I

Time : 3 Hrs. M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Draw symbols of 15 parts. (CO-1,CO-2) (15x2=30)

Q.1 a) Distribution fuse board with switches (Power)

b) Double pole MCB.

c) ceiling point Power

d) Exhaust fan

e) Lamp indicator

f) Socket outlet with switch

g) Earth ground/ Earthing

h) Frequency meter

i) Step down transformer

j) D.C. Motor

k) Limit Switch NC

l) Time Delay Relay (TDR)

m) AC / DC voltmeter

n) Isolator without fuse

o) Inductor or choke with air core

SECTION-B

Attempt all questions.

Q.2 Draw the schematic, wiring and single line diagram for two lights, one fan, one 3pin socket (6A) to be controlled by individual switches. (20)

or

Draw the schematic and wiring diagram for controlling two lamps independently by two way switches. Add a master switch which if kept in ON position the two lamps should glow irrespective of the position of two way switches. (Co-3, CO-4)

Q.3 Draw the wiring and single line diagram showing domestic electrical connection consisting of energy meter, main switch, distribution board and five subcircuits. (20) (CO-5)

Q.4 The isometric view of rotor of squirrel cage induction motor is shown in fig I. Draw the following

a) Half sectional view

b) End view of rotor assembly (30)

or

Fig II shows left hand sectional elevation of shackle type insulator fixed with a pole. Draw its plan in Ist angle projection (CO-6)

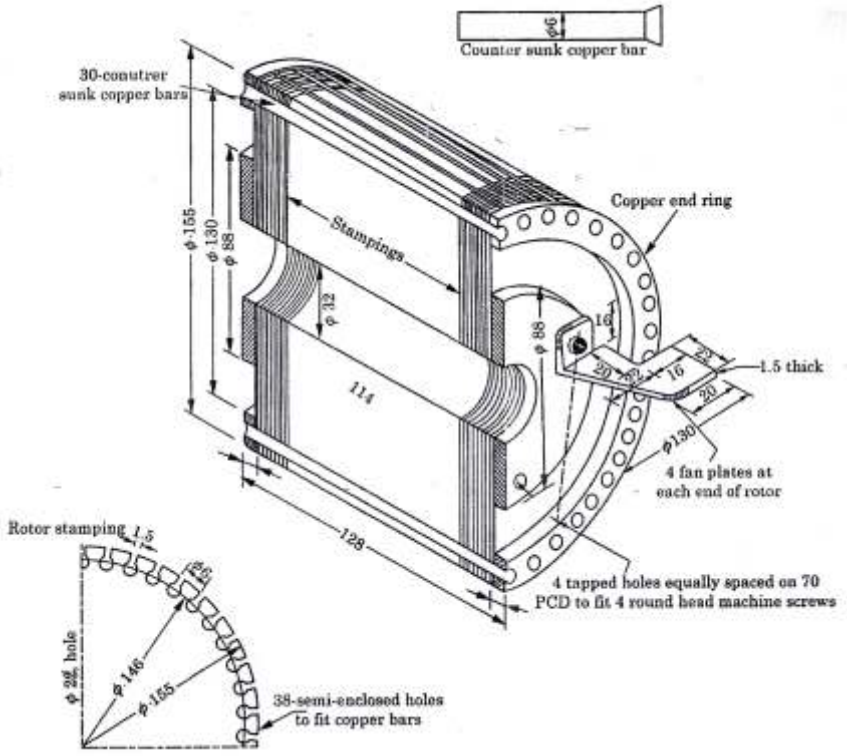

Fig. I

Isometric View of Squirrel Cage Induction Motor

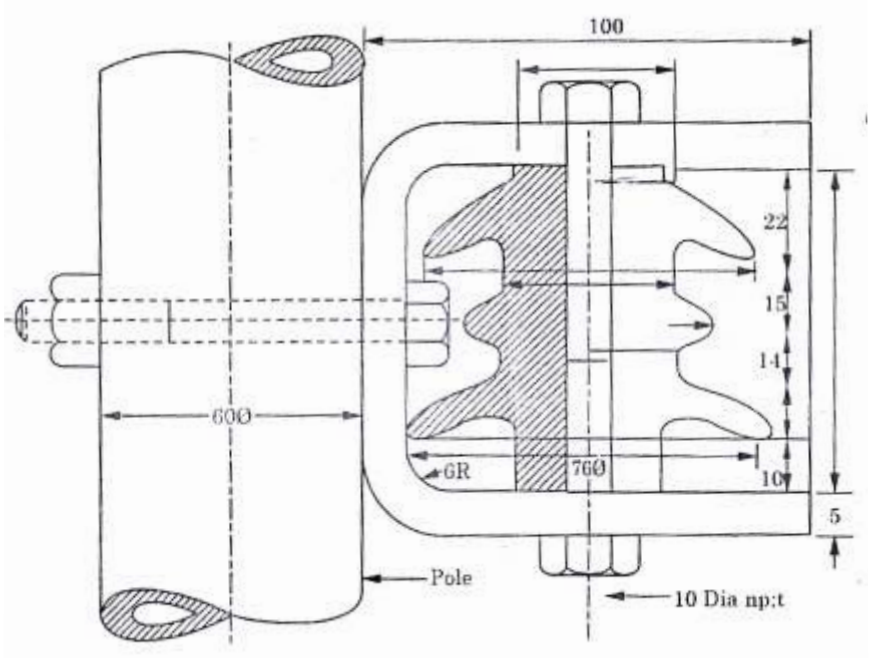

Fig. II

Left Hand sectional elevation of shackle type insulator fixed with a pole