

No. of Printed Pages : 4 180934/170934
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3rd Sem/ Electrical Engineering, Power Station Engg., Elect. & Eltx . Engg.

Subject : Electrical Engineering Design and Drawing-I

Time : 3 Hrs. M.M. : 100

SECTION-A

Q.1 Draw any ten symbols of the following. (10x2=20)

- i) Main switch (Power)
 - ii) TPICN
 - iii) Wire crossing
 - iv) HRC fuse
 - v) Ceiling fan
 - vi) Switch single pole
 - vii) Scoket outlet 3 pin ,6A
 - viii) Double pole MCB
 - ix) Energy Meter
 - x) Push button 'NC'
 - xi) Overload relay
 - xii) Bell

SECTION-B

Note: Attempt any two questions out of three questions.

- Q.2 Draw the single line schematic and wiring diagram of two lamps control by two switches.

Q.3 Design the wiring diagram for long godown for lightning Circuit.

Q.4 Design and draw single line and wiring diagram of distribution panel for residential building. The electrical circuit consist of energy meter, main switch, MCB and ELCB with 4 no sub circuit.

SECTION-C

Note: Attempt any one questions out of two questions.

- Q.5 Draw the front view, side view and top view of bus bar post as shown in fig 1.

Q.6 Draw the end view and upper half sectional front view of body and stator of induction motor as shown in fig 2.

(1)

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(2)

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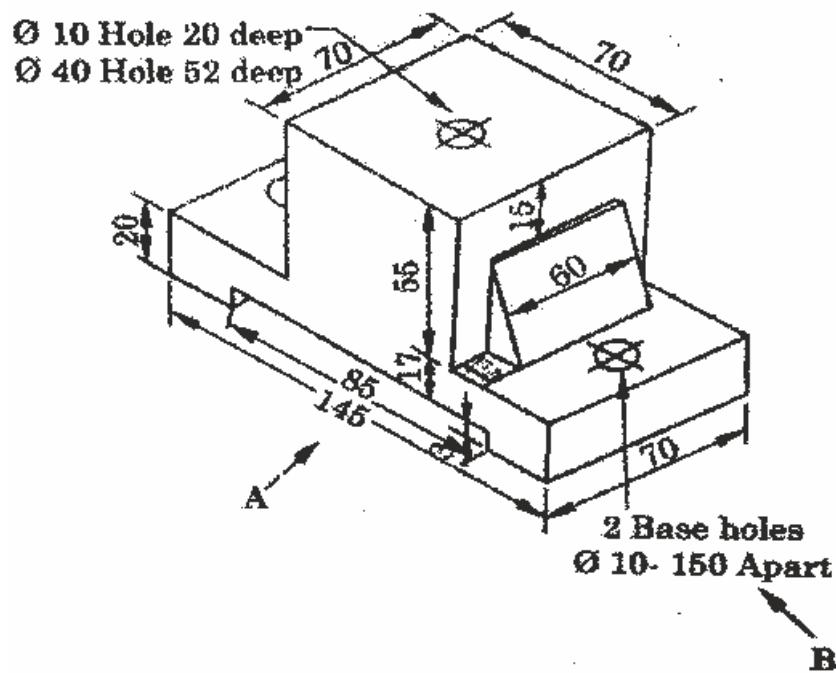


Fig 1 : Bus bar Post

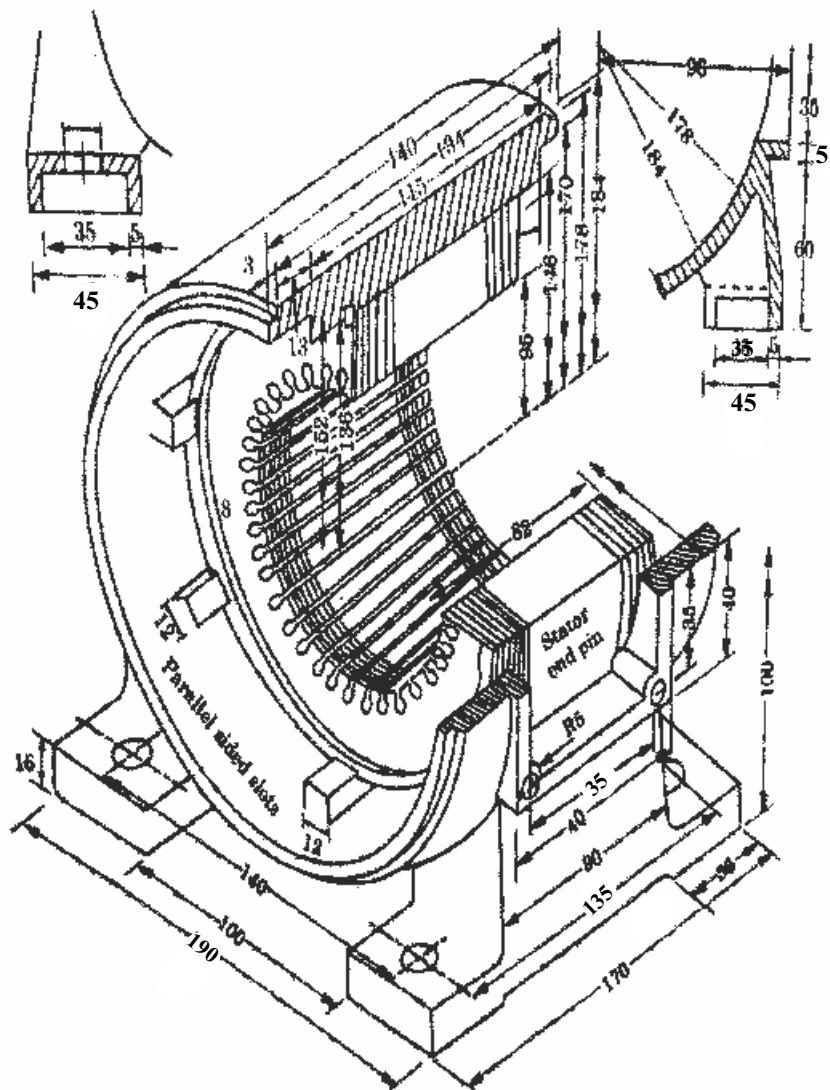


Fig 2 : Body and stator of induction motor

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(1540)

(4)

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