

No. of Printed Pages : 4
Roll No.

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**3rd Sem / Electrical Engg. / Power Station Engg.,
Elect. & Eltx. Engg.**

**Subject:- Electrical Engineering Design and
Drawing-1**

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Very short answer type questions. Attempt all 15 parts. (15x2=30)

Q.1 Draw the symbols of (CO1)

- a) Time delay relay
- b) Transformer
- c) Rewire able Fuse
- d) Ceiling Fan
- e) Main switch light
- f) Cell
- g) Circuit breaker
- h) Lightning Arrestor
- i) Variable Inductor

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- j) Limit switch
- k) Watt meter
- l) Moving coil instrument
- m) Power socket
- n) One way switch
- o) Lamp

SECTION-B

Note: Attempt all questions. (20x4=80)

Q.2 Draw the schematic and wiring diagram for two lights, two fan with regulator and one 6 Amp. socket to be controlled by individual switches. 20(CO3&4)

OR

Draw the schematic, wiring and single line diagram for two lamps controlled by three switches.

Q.3 Draw the wiring system for house having single phase Energy meter, ELCB, Main switch. The circuit should contain separate control panels for lighting with 06 sub circuit and power with 03 sub circuit. 20(CO5)

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Q.4 Draw the front view, side view and top view of kit-kat fuse shown in fig. 1
30(CO 6)

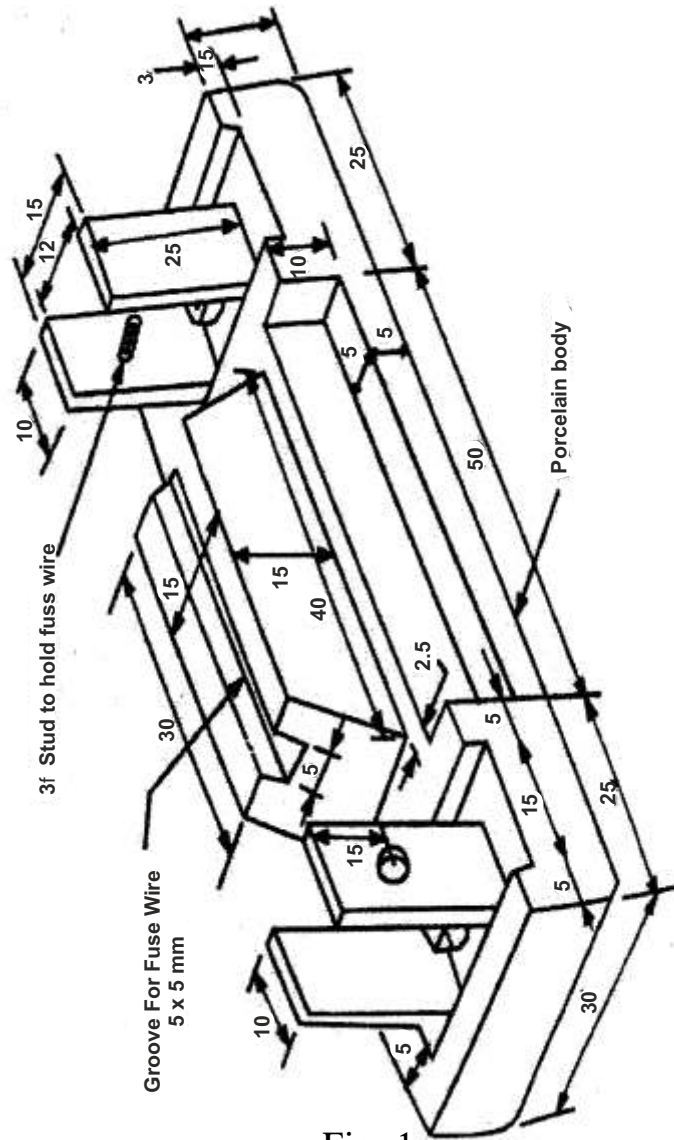


Fig. 1

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OR

Draw the assembled view of pin type insulator shown in fig 2.

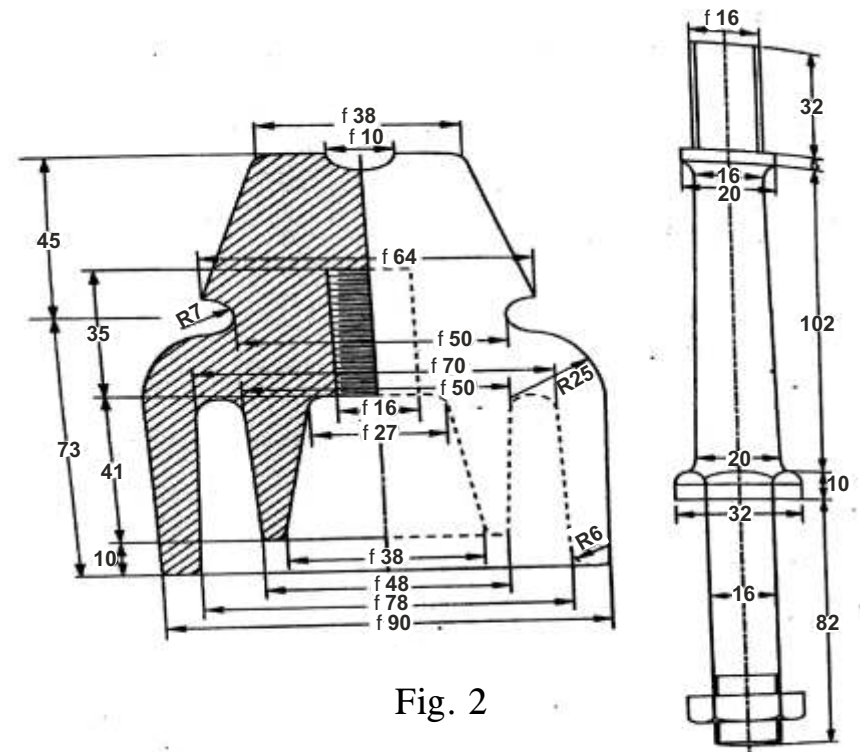


Fig. 2

- All dimensions are in mm.
- Assume suitable dimensions as required if not specified or not visible clearly in the given figure.

(Note : Course outcome/CO is for office use only)

(1640)

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