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Roll No. .... /030934

**3rd Sem / Electrical Engg**

**Subject : Electrical Engineering Design and Drawing**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note:**Very Short Answer type questions. Attempt all 15 parts. (15x2=30)

Q.1 Draw the symbols of

- I) Neutral link
- ii) Battery
- iii) Rewire able Fuse
- iv) Ceiling fan
- v) Main switch power
- vi) Two way switch
- vii) Circuit breaker
- viii) Horn
- ix) Generator
- x) Voltmeter
- xi) Frequency meter

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- xii) Moving iron instrument
- xiii) Concealed conduit wiring
- xiv) Intermediate switch
- xv) Main Fuse board with switches Power

**SECTION-B**

**Note:**Attempt all Questions.

Q.2 Draw the schematic and wiring diagram for three lights, one fan with regulator and one 6 Amp. Socket to be controlled by individual switches. 20(CO 3&4)

**OR**

Draw the Schematic, wiring and single line diagram for stair case wiring system by using appropriate switches .

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

Q.4 Draw the front view , side view and top view of kit-kat fuse shown in fig1 30(CO6)

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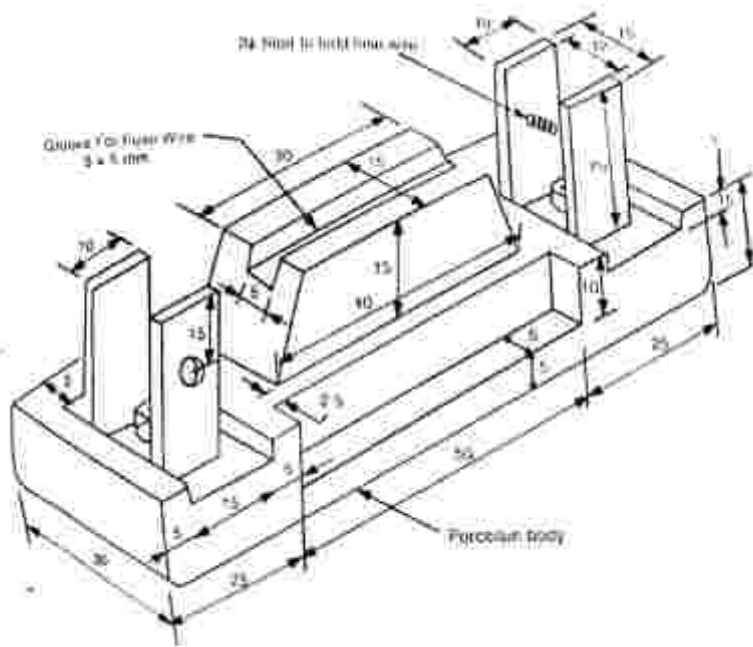
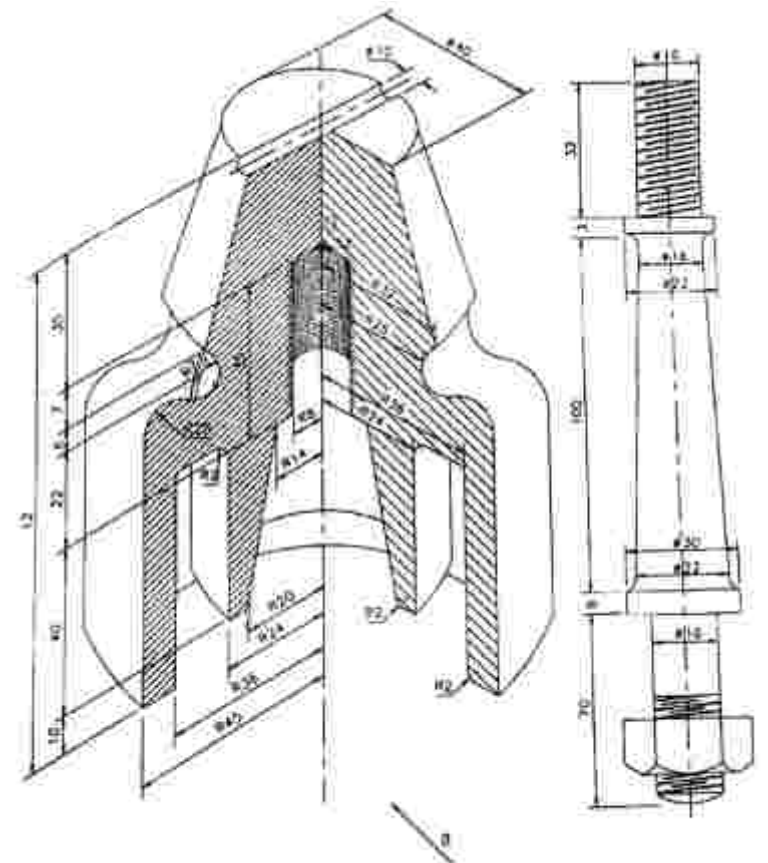


Fig-1

**OR**



**Fig 2**

Draw the assembled view of pin type insulator shown fig 2

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