

1st internal Examination  
Electrical installation & Estimating  
6th Semester, Diploma  
Electrical Engineering.

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Full marks - 20

1. Answer all the questions.
  - (a) what are the two types of earthing ?
  - (b) write any two important properties of ACSR conductor
  - (c) write any two accessories of conduit wiring . ?
  - (d) which material is used as filament of halogen lamp ?
  - (e) write full forms of ACSR, TPIC, TRC and MCCB
2. write notes about roof pole system to give service connection to a building.
3. what are difference between TRS and conduit wiring system ?

2nd internal Examination  
Electrical installation & Estimating  
6th Semester, Diploma  
Electrical Engineering

Full marks - 20

1. Answer all the questions
  - (a) what is the size of the conductor used in domestic wiring according to IE Rules.
  - (b) where V guards are provided ?
  - (c) what is the height of socket board above floor level ?
  - (d) what is the distance between main Board and Meter Board?
  - (e) what is the minimum cross-sectional area of the conductor used for power wiring ?
2. Write notes on pipe earthing .
3. Estimate the materials required for 3- $\Phi$ , 4 wire overhead distribution system 2KM long. Connected load is 60 KW at 400 V. calculate the size of the ACSR conductor to be used also prepare a list of materials required .