

No. of Printed Pages : 4

Roll No.

180935/170935

3rd Sem. / Electrical Engg.

Subject : Estimating & Costing in Elect. Engg.

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note:Objective type questions. All questions are compulsory (10x1=10)

(Course Outcome/CO)

- Q.1 What is an Estimating? (CO-1)
- Q.2 What do you mean by specification of material. (CO-3)
- Q.3 What is price list? (CO-1)
- Q.4 What is Quotation? (CO-1)
- Q.5 Define Contingencies? (CO-1)
- Q.6 What is profit? (CO-1)
- Q.7 The fuse havemelting point (CO-2)
- Q.8 What is ELCB? (CO-2)
- Q.9 What is Switch? (CO-2)
- Q.10 Full form of P.V.C? (CO-2)

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SECTION-B

Note:Very Short answer type questions. Attempt any ten questions out of twelve questions. (10x2=20)

- Q.11 What is Earnest Money? (CO-3)
- Q.12 Advantage of estimation. (CO-1)
- Q.13 Write about qualities of a good estimator.(CO-1)
- Q.14 What is Net prices? (CO-1)
- Q.15 Name the various type of wiring system. (CO-2)
- Q.16 List of different wiring components commonly used. (CO-2)
- Q.17 Describe four major type of fuses. (CO-2)
- Q.18 define service connection. (CO-4)
- Q.19 Name different type of electrical faults. (CO-2)
- Q.20 What is Substation. (CO-4)
- Q.21 What is Stranded Conductor? (CO-3)
- Q.22 Define Earthing. (CO-3)

SECTION-C

Note:Short answer type questions. Attempt any eight questions out of ten questions. (8x5=40)

- Q.23 What are the various method of calculating labour charge. (CO-1)

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- Q.24 Define Comparative Statement. (CO-1)
- Q.25 What do you mean by tender notice? (CO-5)
- Q.26 Explain Concealed conduit wiring system. (CO-2)
- Q.27 What are the factors by which conductor is choiced? (CO-3)
- Q.28 Difference between domestic and industrial wiring. (CO-3)
- Q.29 What are the various method to reduce earth resistance? (CO-3)
- Q.30 What are the merits and demerits of outdoor substation? (CO-4)
- Q.31 Discuss about skin effect. (CO-4)
- Q.32 Difference between fuse and MCB. (CO-2)

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. (3x10=30)

- Q.33 A multipurpose hall of 20x10x3.5 meters for the students of the engineering college is to be provided with electrical wiring. Make the location of different electrical points, switch board on the plan of the multi purpose hall and show connection to each point by a single line wiring diagram. Selection wire size. (CO-3)

- Q.34 Prepare the list of material required for erecting 3 phase 100 KVA 50Hz 11/0.04 KV on double pole structure for pole mounted substation. Also make a neat sketch. (CO-4)
- Q.35 Three phase induction motor of rating 5 HP 50 Hz is to be installed in a room of size 5mx3mx3.5, the motor should be 1m away from the nearest wall. Prepare the list of the material and also draw the installation plan single line wiring diagram. (CO-3)
- Q.36 Prepare a list of material for giving service connection by 2 core PVC cable to a house (single storey) at 230 V single phase 50 Hz . Its maximum load is 500 watt. The supply is to be given from overload 415 V 3 phase 4 wire line which is 20 m away from the house. (CO-4)

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

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