

Fifth Semester B.E. Degree Examination, June/July 2019 Electrical Estimation and Costing

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Define Estimating and State its purpose. State the important facts, which an estimator should know for preparing an Internal wiring estimate. (08 Marks)
- b. Write note on the Comparative Statement. (08 Marks)

OR

- 2 a. Explain IE77 and IE79. (08 Marks)
- b. State the rules to be observed while Inviting tenders. (08 Marks)

Module-2

- 3 a. What is the function of a fuse? Why it is connected in the phase wire? (04 Marks)
- b. Draw the electrical circuit and estimate the quantity of materials and their cost required for PVC casing capping used in a house, the plan of which is shown in fig.Q3(b). Assume the height of ceiling as 3.6 metres and one plug point is to be provided in each room. (12 Marks)

Fig.Q3(b)



OR

- 4 a. Write the general rules to be consider for wiring system. (04 Marks)
- b. Draw the electric circuit and estimate the Quantity of material and total cost for PVC wiring system used in a hall of 15m x 6m x 4.5m height, the hall is to be fitted with fan points and light points make your own assumptions for the number of fan and light points and other missing data. (12 Marks)

Module-3

- 5 a. What are the important considerations regarding motor installation wiring? (06 Marks)
- b. Prepare a list of material and estimate the cost for providing service connection to a single storey building at 240V, 1ϕ, 50Hz having a light and fan load of 5kW. The supply is to be given from an overhead line 20m away from the building. (10 Marks)

OR

Electrical Design Estimation Costing Sample Question Paper

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European Control Conference 1993, 1993-06-28 Proceedings of the European Control Conference 1993 Groningen Netherlands June 28 July 1 1993

NASA SP-7500 United States. National Aeronautics and Space Administration, 1982

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