

S.B. Roll No.....

ESTIMATING AND COSTING
4th Exam/Elect/0522/Nov'18

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- a. Expand ACSR _____
- b. Expand SWG _____
- c. The silver is used for making _____
- d. The best conductor is copper (T/F)
- e. The size of conductor is based on _____ capacity.
- f. The single phase motors are not _____ starting.
- g. The earthing protect against _____
- h. A person who prepares estimate is called _____
- i. After receiving quotations _____ statement is prepared.
- j. The height of lamp from ground should be kept as 2.5 m (T/F)
- k. The resistance earth conductor should be _____
- l. The brass is an alloy of zinc and _____
- m. A 56 inches fan consumes 740 watts (T/F)
- n. The rod earthing is done in sandy area (T/F)
- o. The light and power circuits should be kept _____

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. What is earnest money in the purchase system?
- ii. What is quotation? Write brief note on quotation.
- iii. What is the difference between wire and cable?
- iv. What is the difference between MCB and conventional fuses?
- v. Write a note on contingencies.
- vi. Discuss various types of line supports
- vii. What is tender? How it is pursued?
- viii. Discuss different types of conductors and Explain briefly.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. Explain the essential elements of Estimation & costing in electrical engineering.
- b. What is a substation? Give classification of substation. Also enlist the merits & demerits of each type of substation
- c. Explain the various wiring types with advantages & disadvantages of each type.
- d. Explain different methods of earthing?
- e. What is tender? Discuss about tender notice and make a Performa of tender notices?.