

S. B. Roll. No.....

ESTIMATING AND COSTING IN ELECTRICAL ENGINEERING
5th Exam/Elect/5526/Nov'24
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Fill in the blanks.

15x1=15

- a. The distribution transformer is connected in _____
- b. ACSR stands for _____
- c. MCB stands for _____
- d. Fuse is always connected in _____ wire.
- e. For heavy machinery _____ earthing is used.
- f. The size of conductor is based on _____ Capacity.
- g. Motor take _____ times the normal current at the start.
- h. Egg insulator is used at _____ wire.
- i. SWG stands for _____.
- j. Size of G.I pipe used for earthing is _____.
- k. Single phase motors are not _____ starting.
- l. ELCB is the stands for _____.
- m. For stay wire _____ type insulator is used.
- n. T.R.S wire stands for _____.
- o. PVC stands for _____.

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. Explain pin type insulators.
- ii. What are the qualities of a good estimator?
- iii. Explain advantages and disadvantages of surface conduit wiring.
- iv. Difference between MCB and conventional fuses.
- v. What is the different wiring accessories used in domestic wiring?
- vi. What is indoor substation?
- vii. What is the difference between a tender and quotations?

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. Explain construction and working of Miniature Circuit Breaker.
- b. Explain different methods of earthing.
- c. Prepare an estimate for service connection to a single storey building is to be provided with single phase supply having load of 5 kw. The supply is to be given from overhead line 30m away from building.
- d. What is tender? Discuss about tender notice and make Performa of tender notice.
- e. What are the various components of pole mounted (11KV/415V) substation?