

B.Tech. SEM -V Electrical 2014 Course (CBCS) : WINTER - 2018
SUBJECT: ELECTRICAL ESTIMATION, COSTING & INSTALLATION

Day: Thursday
Date: 29/11/2018

W-2018-2400

Time: 02.30 PM TO 05.30 PM
Max. Marks: 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data if **NECESSARY**.
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- Q.1** a) What is the procedure for selecting the contractors? (05)
b) Write a note on different types of tenders. (05)
OR
a) What do you mean by tender notice? (05)
b) What are various IE rules related to electrical installation? (05)
- Q.2** a) Explain service connections for 11kV HT consumers. (05)
b) Write a note on panel designing. (05)
OR
a) What are the features of service connections? (05)
b) How do you explain underground service connections? (05)
- Q.3** a) Write down steps involved in determining length of batten and wire. (05)
b) Write down procedure for design of number of sub-circuits. (05)
OR
a) Write a note on selection of rating of distribution board and MCB. (05)
b) What do you mean by costing of overall residential installation? (05)
- Q.4** a) What are general requirements and selection factors for commercial installation? (05)
b) How do you decide number of lighting and power sub-circuits as per IE rules? (05)
OR
a) Write a note on cost of labor and material cost for commercial installation. (05)
b) How do you differentiate between residential and commercial installation? (05)
- Q.5** a) What are different wiring accessories involved in industrial installation? (05)
b) Write a note on machine current calculation. (05)
OR
a) How do you explain profit charges and profit margin? (05)
b) How to select earthing type for industrial installation? (05)
- Q.6** a) Explain the need of maintenance in case of residential installation. (05)
b) Write a note on breakdown maintenance. (05)
OR
a) Explain importance of selection of maintenance type for particular application. (05)
b) Write a note on preventive maintenance. (05)

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