

Question Bank (I- scheme)

Unit Test II

Course: Electrical Estimating & Contracting

Code: (22627)

Abbreviation - EEC

Semester: 6I

Program: EE

UNIT IV: DISTRIBUTION LINES (14 M)

2 Marks Questions:

- 1) Write any two factors for selection of LT (415V) power cables.
- 2) State the classification of cables.
- 3) State the trade names of conductors.
- 4) State the properties of insulators used in cable.

4 Marks Questions:

- 5) List the materials required for overhead service connection (Any Eight).
- 6) State any eight electrical equipment required in 11 kV HT substation.
- 7) State the different methods of cable termination for LT (415V) line and explain any one method.
- 8) Draw the single line diagram of LT (415V) substation.
- 9) Compare overhead service connection to underground service connection. (four points)
- 10) Draw a neat labelled diagram for underground service connection.
- 11) Prepare a schedule of material for overhead service connection for a residential load of single phase 3 kW from a service pole located at a distance of 60 m.

UNIT V: PUBLIC LIGHTING INSTALLATION (12M)

2 Marks Questions:

- 12) Write the recommended illumination level for i. Parking area.
- 13) State the different lighting sources available for public lighting.
- 14) State the meaning of flood lighting.

4 Marks Questions:

- 15) State the factors to be considered while designing street light installation.
- 16) Prepare the list of materials and devices required for public lighting installation.

- 17) i. Enlist different on-off control equipment used in street light installation.
 - ii. Write the aim of public lighting installation.
- 18) State the objectives of street lighting.
- 19) Describe the following principles related to street lighting
 - a) Diffusion
 - b) Specular reflection

UNIT VI: CONTRACTING (06M)

2 Marks Questions:

- 20) Describe Supplementary estimate.
- 21) Define tender and state its types.
- 22) State the meaning of security deposit.
- 23) Define the term 'Tender'.
- 24) State the qualities of a good contractor.

4 Marks Questions:

- 25) State the methods of opening of tender and explain any one method.
- 26) State the ways of inviting tenders.
- 27) Describe the process of planning before starting a work.

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