

Question Bank (K-Scheme)

Name of course: Electrical Estimation & Contracting

Unit Test: II

Subject code: 314325 (EEC)

Semester: IV

Program: EE

Chapter 3: Industrial Installations

2 Marks

1. Draw single line diagram connecting 3 Induction motors from a distribution board.
2. What factors to be considered while deciding starter for an Induction motor?

4 Marks

3. Assume suitable data and draw wiring layout diagram of Industrial load in a workshop.
4. Assume suitable data and draw wiring layout diagram of Industrial load in a Sugar Factory.
5. Assume suitable data and make an approximate estimate of major equipments and machines in any medium scale industry.

Chapter 4: Public Lighting Installation

2Marks

6. State objectives of Public outdoor lighting.
7. State minimum 4 types of lamps used in public outdoor lighting.
8. What do you mean by flood lighting?
9. State 4 types of poles used in public lighting installation.
10. State different parts of Lighting of Advertisements/Hoardings.

4Marks

11. Draw neat well labeled diagram of Lighting of Advertisements/Hoardings.
12. Compare street lighting with indoor lighting.
13. State any eight objectives of road lighting.
14. Draw a neat well labeled diagram of steel tubular pole used in public lighting.
15. A street light scheme is to be executed using 12 number of poles with a span of 30m, the lights on poles are 4 feet tubes with outdoor fittings. Make an approximate estimate of this work.
16. Write short notes on any four components of high mast lighting.
17. Explain in detail process of **Public Lighting Installation**.

Chapter 5: Distribution Lines

2Marks

- 18.** Draw single line diagram of electrical power system.
- 19.** Classify distribution part of electrical power system.
- 20.** Which insulators are used in power distribution overhead lines?
- 21.** Which cables are used in underground power distribution system?

4Marks

- 22.** An overhead distribution line of 3 phase, 400 V is passing straight 300 m in a town along the road. Taking span of 50 m estimate the material required with approximate costing.
- 23.** Explain direct cable laying method with a diagram.
- 24.** Draw a neat well labeled diagram of construction of cable used in distribution.
- 25.** Compare Overhead and underground system for distribution of power.