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09ARC4.3

Fourth Semester B.Arch. Degree Examination, June/July 2018
Building Services - II

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. Explain the distribution of Electricity from Generation station to home, with neat sketches. (10 Marks)
b. What is Quality of Lighting? Explain the factors affecting the quality of indoor lighting. (10 Marks)
- 2 a. Explain Conduit Wiring, with neat sketches. (10 Marks)
b. Explain the advantage and disadvantage of Exposed and Concealed wiring. (10 Marks)
- 3 a. Explain different systems of establishing connectivity between building facilities and public supply system. (10 Marks)
b. Explain different types of substations and their functions. (10 Marks)
- 4 a. Describe various types of Protective devices adopted in wiring system. (12 Marks)
b. Explain Pipe earthing, with neat sketches. (08 Marks)
- 5 a. Discuss different types of Glares and their causes and remedial measures. (10 Marks)
b. Explain the laws of Illumination, with illustration. (10 Marks)
- 6 What are the factors to be considered while designing an indoor lighting scheme? (20 Marks)
- 7 Explain the different systems of lighting and their applications, advantages and disadvantages. (20 Marks)
- 8 a. Explain appropriate system of lighting for large outdoor activity areas. (10 Marks)
b. Explain Lighting characteristics of Fluorescent lamps. (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.