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ARC4.6

Fourth Semester B.Arch. Degree Examination, Dec 08 / Jan 09
Building Services - II

Time: 3 hrs.

Max. Marks:100

Note : 1. Answer any FIVE full questions.
2. Answer minimum TWO questions from each part.

PART - A

- 1 a. What are the sources of electricity? (06 Marks)
b. What do you mean by open, closed and short circuit? (06 Marks)
c. Define substation and discuss the classification of substation. (08 Marks)
- 2 a. Explain the electrical wiring systems. (10 Marks)
b. What is Hydro - electric power stations? Discuss the advantages and disadvantages of it. (10 Marks)
- 3 a. Compare fluorescent tube and Filament Lamp. (12 Marks)
b. Define i) Conductors ii) Switch iii) Fuse iv) Earthing. (08 Marks)
- 4 List the general ISI rules related to wiring. (20 Marks)

PART - B

- 5 a. Explain laws of illumination. (08 Marks)
b. A corridor is lighted by 4 lamps spaced 10mt apart and suspended at a height of 5mt above the centre line of the floor. If each lamp gives 200 cp in all directions below the horizontal, find the illumination at the point on the floor midway between the second and the third lamps. (12 Marks)
- 6 Explain different types of lighting systems. (20 Marks)
- 7 Explain the factors that are considered in the design of a lighting scheme. (20 Marks)
- 8 Write short notes on:
a. Glare
b. Incandescent lamp
c. MHCP and MSCP
d. Co-efficient of utilization. (20 Marks)
