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Fourth Semester B.Arch. Degree Examination, May/June 2010
Building Services - II

Time: 3 hrs.

Max. Marks:100

**Note: Answer any THREE full questions from part – A
and TWO full questions from part – B.**

PART – A

- 1 a. Define electricity. What are the conventional and non-conventional sources of electricity? (05 Marks)
b. Explain in detail with a block diagram, the supply and distribution of electricity from the manufacturing station to the end user. (15 Marks)
- 2 a. Discuss different types of service connections to a building. (08 Marks)
b. Explain with a sketch in detail, the service connection for a block of apartments. (12 Marks)
- 3 a. Discuss different systems of electrical wiring, with sketches. (12 Marks)
b. Define branch circuit. Discuss different types of circuits. (08 Marks)
- 4 a. Write short notes on : (15 Marks)
i) Panel board
ii) Substation
iii) Earthing
b. Explain any two methods of wiring, with sketches. (05 Marks)
- 5 a. Define a fuse. Explain with sketches, any two types of fuses, in detail. (12 Marks)
b. Why should electrical energy be conserved? How is it done? (08 Marks)

PART – B

- 6 a. Describe with neat sketches, the different methods of lighting. (10 Marks)
b. Explain different types of luminaires, with sketches. (10 Marks)
- 7 Write short notes on : (20 Marks)
a. Neon lamps
b. Flood lighting
c. Fluorescent lamp
d. Factors contributing to good lighting
- 8 Describe in brief with sketches, the strategies to be adopted for the design of lighting for:
a. Temple
b. The draftsman table
c. Auditorium
d. The stage of a theatre. (20 Marks)

Important Note : 1. On completing your answers, carefully draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appearance of evaluator and/or equations written eg, 42+8 = 50, will be treated as malpractice.