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**Fourth Semester B.Arch. Degree Examination, June/July 2014**  
**Building Services – II**

Time: 3 hrs.

Max. Marks: 100

**Note: 1. Answer any FIVE full questions.**  
**2. Draw sketches wherever necessary.**

- 1 a. Explain the process how electricity is supplied to your house from power generating station with diagram. (10 Marks)  
b. Discuss the parts of Armoured cable and give sketches of different types of cables. (10 Marks)
- 2 a. Compare and explain any one type of protective devices, in detail. (10 Marks)  
b. Explain wiring systems adopted for a building. (10 Marks)
- 3 a. What is earthing? Explain any one method of earthing. (10 Marks)  
b. What are the different methods of installing wiring system in domestic buildings? (10 Marks)
- 4 Write short notes on any four :  
a. Transformer  
b. Substation  
c. Techniques for energy conservators  
d. AC and DC  
e. Transmission and distribution lines. (20 Marks)
- 5 a. Write in brief the characteristic a advantages of good lighting. (10 Marks)  
b. What are the various factors governing the design of food lighting. (10 Marks)
- 6 a. Explain with neat sketches, the constructional features of H.I.D and incandescent lamp. (10 Marks)  
b. Discuss in detail, the different lighting systems, with sketches. (10 Marks)
- 7 a. What are the causes of glare? Discuss different types of glare. (10 Marks)  
b. Explain illumination and laws of illumination. (10 Marks)
- 8 Write short notes on any four :  
a. Task – ambient lighting  
b. Accent lighting  
c. Lighting systems for a museum  
d. Flood lighting  
e. Lighting systems for a restaurant. (20 Marks)

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