

Roll No.

Total No. of Pages : 01

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**B.Architecture (2012 & Onwards) (Sem.–5)**

**BUILDING SERVICES-II**

**Subject Code : BACH-507**

**M.Code : 71751**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTION TO CANDIDATES :**

1. Attempt FIVE Question with one Question from each unit and Question 1 is compulsory.
2. All questions carry equal marks.

**1. Answer briefly :**

- Ohms law 2
- Types of Wiring systems 2
- Glare and its effect 2
- Smoke detection 2
- Waiting interval 2

**UNIT-I**

2. Explain how to calculate electrical load for a residence with illustration. 12.5
3. Explain the flow diagram from generation to distribution of electricity. 12.5

**UNIT-II**

4. Explain Light flux method for calculation of luminaries. 12.5
5. What are the various types of luminaries available for outdoor lighting including street light. 12.5

**UNIT-III**

6. Explain the ways and techniques of fire detection. 12.5
7. What are criteria as per N.B.C for fire design for High Rise Buildings? 12.5

**UNIT-IV**

8. Explain through a schematic section the various components of a Lift system. 12.5
9. Explain the role and applications of ESCALATORS and CONVEYORS in Commercial buildings. 12.5

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**