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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 question carry equal marks.

1. Answer briefly : (2×5=10)

- a) Kirchoffs law.
- b) Specification of wires for a residence,
- c) Illumination and Luminance
- d) Smoke detection
- e) W.I and R.T.T in lift management.

UNIT-I

2. Explain through a flow chart the supply of electricity from generation to distribution. (12.5)
3. Write notes on :
 - a) Short Circuit (6)
 - b) Earthing for Lightning (6.5)

UNIT-II

4. Explain the various luminaires used in exterior lighting. (12.5)
5. Explain Light flux method for calculation of indoor illumination. (12.5)

UNIT-III

6. Explain alarm systems and their functioning used in fire detection. (12.5)
7. Explain the norms as per N.B.C for fire exit and escape in high rise buildings. (12.5)

UNIT-IV

8. Explain the components of a lift with a schematic section. (12.5)
9. Explain types and functioning of a conveyor and an escalator. (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.