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Total No. of Questions : 08

B.Arch. (Sem.-6)
BUILDING SERVICES-III
Subject Code : AR-330
Paper ID : [A0936]

Time : 3 Hrs.

Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :

- 1. Attempt any FIVE questions with atleast one from each unit.**

UNIT-I

- 1) What type of lighting system should be adopted for a five star hotel? Also enlist the choice of luminaries to be used indicating their cost efficiency etc.
- 2) a) In lighting an interior space what goals are to be achieved?
b) Define :
 - i) Valence
 - ii) Cove
 - iii) Soffit lighting
 - iv) Day light factor.

UNIT-II

- 3) Explain in brief with sketches the different types of electric circuits that can be installed in a building . Which one these would you prefer in :
- a) Residence.
- b) Marriage Pandaal
- Give reasons for your answer.

- 4) Explain cleat wiring and conduit wiring stating their advantages and disadvantages. Define the following :
- a) Circuit breaker.
 - b) Fuse.
 - c) Main switch board.
 - d) Meter box.

UNIT-III

- 5) Define methods for inter-space noise control/interior space acoustics.
- 6) Define four principles of sound proofing (mass, mechanical isolation, absorption and resonance)

UNIT-IV

- 7) What do you understand by air conditioning and what basic principles it is based on? State the objectives of air conditioning. Do you think mechanical air conditioning is healthy? Give reasons for your answers.
- 8) a) Define the following and state the ideal position of their location in a mall.
- a) Escalators b) Elevators.
 - b) What are the advantages escalators have over lifts?
 - c) What do you understand by counter weight in a lift? What are its benefits?