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Total No. of Pages : 02

Total No. of Questions : 08

B.Architecture (2012 & Onwards) (Sem.–6)

BUILDING SERVICES-III

Subject Code : BACH-605

M.Code : 72291

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions in all with at least ONE question from EACH UNIT.
2. Select Fourth question from any UNIT.
3. Q.1. Is compulsory.

- Q1. a) State a few active methods of ventilation (5 × 2 = 10)
- b) What do you understand by air conditioning and why is it so important these days?
- c) “CCTV cameras have brought a revolution where building security is concerned”. Comment.
- d) What do you understand by architectural acoustics?
- e) Define Reverberation Time.

UNIT-I

- Q2. Explain the various types of air conditioners and mention specific locations where they should be placed. (12.5)
- Q3. Explain the following :
- a) Blower (4)
- b) FCU (4)
- c) AHU (4.5)
- Q4. What are the referrals of human comfort based on context of temperature and humidity? What design considerations should be kept in mind while designing a building to be air Conditioned? (12.5)

UNIT-II

Q5. Explain the requirement of a good acoustical material with emphasis on their application. (12.5)

Q6. Write short notes on :

a) Intensity and Loudness of sound (4)

b) Behaviour of sound in enclosure (4)

c) Air and structure borne sound (4.5)

UNIT-III

Q7. How has building automation brought revolution in the modern world? Explain with examples. (12.5)

Q8. What are the measures that can be incorporated in a building for safety regarding fire? (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.