

Roll No.

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.**