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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.

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
 - 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.

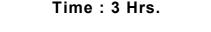
UNIT-I

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)

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Roll No.



Max. Marks: 60

 $(5 \times 2 = 10)$

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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)

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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.

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