

USN

--	--	--	--	--	--	--	--	--	--

09ARC5.3

Fifth Semester B.Arch. Degree Examination, June/July 2019
Building Services – III

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1 Explain different mechanical ventilation systems for a building. (20 Marks)
- 2 Explain the following:
 - a. Zoning (10 Marks)
 - b. Psychometric process (10 Marks)
- 3 a. List the types of air conditioning system. (05 Marks)
b. Explain the working of window AC through a neat sketch. (15 Marks)
- 4 Draw a typical cross section through the traction lift shaft label the parts and explain various parts. (20 Marks)
- 5 What are the factors influencing choice of elevator in a multistoried building? (20 Marks)
- 6 Write short notes:
 - a. Automatic sprinklers (10 Marks)
 - b. Portable extinguishers (10 Marks)
- 7 a. Classification of building types as per NBC. (10 Marks)
b. Brief description of combustible and non combustible materials. (10 Marks)
- 8 a. List the causes of fire accidents in a building. (10 Marks)
b. List the AFP and PFP system of a building. (05 Marks)
c. Explain why AFP and PFP are required for a building. (05 Marks)

* * * * *

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8=50, will be treated as malpractice.