

# CBCS SCHEME

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15ARC6.3

## Sixth Semester B.Arch. Degree Examination, Dec.2018/Jan.2019 Building Services – III

Time: 3 hrs.

Max. Marks: 100

**Note: 1. Answer any FIVE full questions, choosing one full question from each module.  
2. Explain with neat sketches.**

### Module-1

1 Explain the different mechanical ventilation systems for buildings. (20 Marks)

OR

2 Explain “heat pump” using example of window A.C. (20 Marks)

### Module-2

3 With neat sketches, explain the working and parts of a centralized AC (chilled water) plant. (20 Marks)

OR

4 What is a clean room? (20 Marks)

### Module-3

5 With the help of neat sketches explain the parts of a typical traction lift. (20 Marks)

OR

6 What are the factors influencing choice of elevator in a multi storied building? (20 Marks)

### Module-4

7 What is fire proof construction? (20 Marks)

OR

8 Write short notes on:

(i) Area of Refuge. (10 Marks)

(ii) Compartmentation. (10 Marks)

### Module-5

9 Explain wet Riser system. (20 Marks)

OR

10 Briefly explain ‘Fire protection’ guidelines for multi storied buildings. (20 Marks)

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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.