

CBCS SCHEME



15ARC63

USN

| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|

Sixth Semester B.Arch. Degree Examination, Aug/Sept.2020 Building Services - III

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

MODULE - 1

- 1 a. Explain the necessity of Mechanical ventilation in buildings. (10 Marks)
b. Categories of Mechanical ventilation systems. (10 Marks)

OR

- 2 Write short notes on :
a. Psychrometric process. (10 Marks)
b. Summer Air conditioning. (10 Marks)

MODULE - 2

- 3 Explain
a. Split AC. (10 Marks)
b. Central AC. (10 Marks)

OR

- 4 Elaborate the AC provided in
a. Operation Theatre. (07 Marks)
b. Server Room. (07 Marks)
c. Clean Room. (06 Marks)

MODULE - 3

- 5 Draw a neat labeled sketch of Traction Elevator and explain the parts. (20 Marks)

OR

- 6 Write short notes on :
a. Hydraulic Elevators. (10 Marks)
b. Lift Interiors. (10 Marks)

MODULE - 4

- 7 Explain
a. Compartmentalization. (10 Marks)
b. Fire Escape Staircase. (10 Marks)

OR

- 8 a. Explain different class of materials. (10 Marks)
b. Explain types of Fire Extinguishers. (10 Marks)

MODULE - 5

- 9 a. What is Active Fire Protection System? (10 Marks)
b. Explain Fire Sprinklers and types of Sprinklers. (10 Marks)

OR

- 10 Explain Fire protection requirements for high Rise Buildings in India. (20 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.