

CBCS SCHEME



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15ENG43

Fourth Semester B.Arch. Degree Examination, Feb./Mar. 2022

Building Services – I

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 difference between conservancy and water carriage system of sanitation in detail with sketches. (10 Marks)
- b. Write short notes on urban and rural sanitation India in current era. (10 Marks)

OR

- 2 a. Explain mechanism of water treatment for different uses. (10 Marks)
- b. Quality of water supply for different uses are prescribed by national and international standards. Explain the standards. (10 Marks)

Module – 2

- 3 Explain the various parts and equipments requires in conveyance of sewage from home to public sewer, with the help as neat sketch/diagram. (20 Marks)

OR

- 4 How to conserve water and mechanism followed in storm water management in India specifically Karnataka. Highlight short comings. (20 Marks)

Module – 3

- 5 Explain role of :
 - i) Gate valve
 - ii) Bottle types
 - iii) Flow control valves
 - iv) Cross venting. (20 Marks)

OR

- 6 Explain with neat sketches the functions of wall mixture with respect to hot and cold water. (20 Marks)

Module – 4

- 7 Describe types of solid wastes and explain mechanism of managing each type of wastes. (20 Marks)

OR

- 8 Explain :
 - i) Five safety code of practices in India
 - ii) Five rating and hydrants
 - iii) Five classification of buildings
 - iv) Safety equipment and features. (20 Marks)

Module – 5

- 9 Explain the various special requirements and building services required in the building such as gas line. (20 Marks)

OR

- 10 Explain plumbing in sunken area of the building. (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.