

**Total No. of Pages : 01**

**Total No. of Questions : 08**

## **B.Architecture (2012 & Onwards) (Sem.-4)**

## BUILDING SERVICES-I

**Subject Code : BACH-408**

**Paper ID : [A2256]**

**Time : 3 Hrs.**

**Max. Marks : 60**

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt FIVE questions in all.
2. Question no.1 is compulsory and attempt at least one question from each unit.
3. All questions carry equal marks except question no. 1.

- 1. Write short notes on the following :** (2.5×4=10)
- a) Bibcock.
  - b) Manholes.
  - c) Drop inlets.
  - d) Culverts.

## UNIT-I

2. Discuss in detail hot as well cold water supply in residential buildings.
3. Discuss in detail various sizes of pipes and their jointing detail for water supply in residential buildings.

## UNIT-II

4. Discuss the various types of drainage system and also state the advantages and disadvantages of these in detail.
5. Discuss in detail the various sizes and materials of drain pipes used in residential buildings.
6. Discuss in detail the sanitary fittings Wash basin, Urinals and bidets used in residential buildings.

### UNIT-III

7. Discuss in detail the rain water harvesting for residential buildings.
8. Discuss in detail various types of pavement such as soil stabilized, bricks and stone paving and also discuss the advantage / disadvantage of the same.