



**MBT-001-005403** Seat No. \_\_\_\_\_  
**Second Year B. A. (ID) (Sem. IV) Examination**  
**April / May - 2018**  
**Services – I (Water Supply & Drainage)**

**Faculty Code : 001**  
**Subject Code : 005403**

Time : 2 Hours]

[Total Marks : 50

**Instructions :**

- (1) All questions are compulsory.
- (2) Any ambiguity will be considered as a wrong answer.

**1** Answer the following in detail : (any 3) **30**

1. Explain in detail different design considerations for water supply to multi story buildings.
2. What are the different water distribution systems ? Explain any two with its advantages and disadvantages.
3. What is necessity of trap and discuss its all types.
4. Give definitions of following :
  - a) Drain
  - b) Drainage
  - c) Sewer
  - d) Sewage
  - e) Vent pipe

- 2 Design a toilet and dressing lay out for a given part plan of a residence, highlight the plumbing and drainage layout, also draw required wall elevations(sectional). The openings(door, window, ventilator, skylight etc) need to be provided as per your requirement :

