

11200

BACHELOR OF ARCHITECTURE (B. ARCH)

Term-End Examination

December, 2013

**BAR-049 : ARCHITECTURAL SCIENCES AND
SERVICES - III
(WATER SUPPLY AND SANITATION)**

Time : 3 hours

Maximum Marks : 70

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- Note :** (a) *Attempt five questions in all.*
(b) *Question No. 1 is compulsory.*
(c) *All questions carry equal marks.*
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1. Write short notes on *any four* of the followings :
 - (a) Biochemical Oxygen Demand. **3.5x4=14**
 - (b) Self cleaning velocity
 - (c) Purity of water
 - (d) PH value of water
 - (e) Soak - Pit
 - (f) Per capita demand of water

2. What do you understand by storm water disposal ? Explain with sketches. **14**

3. What is the need to save water ? What works and efforts have been made for Water Management in present context ? **14**

4. Describe in brief, the various sanitary fittings used in the Drainage System of a building. Illustrate with sketches. 14
 5. Explain the working of a septic tank with neat sketches. 14
 6. Explain various sources of water to any habitation. How would you determine a water distribution system for any typical housing complex ? 14
 7. Explain the concept, principles and functioning of Rain Water Harvesting with neat sketches. 14
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