

**BACHELOR OF ARCHITECTURE (B. ARCH)**

**Term-End Examination**

**June, 2014**

00084

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

*Time : 3 hours*

*Maximum Marks : 70*

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- Note :** (i) *All questions carry equal marks.*  
(ii) *Elaborate your answers with neat sketches, question No.1 is compulsory.*  
(iii) *Attempt four more questions from question No.2 to question No.7.*
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1. Discuss **any four** of the following : **3½x4=14**  
(a) Different types of traps with detail sketches of any two.  
(b) Aeration and Flocculation.  
(c) BOD and COD.  
(d) Grid Iron Pattern of water distribution system.  
(e) Potable and Non - potable water.  
(f) pH value of water for Purity Verification.
2. What are the different ground water supply sources ? Explain any one in detail. **14**
3. What are the different water supply networks adopted by any city ? Comment on the basis of Demand and Requirement standards. **14**

4. What do you understand by "garbage disposal" ? 14  
List the garbage disposal methods that are being followed in cities.
  5. Explain Bio Gas Plant. Describe its relevance to the present scenario of environment. 14
  6. What is a Soak - Pit ? Explain it with proper sketches. 14
  7. What do you understand by Rain Water Harvesting ? Why is it important in current context ? 14
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