

BACHELOR OF ARCHITECTURE (B. ARCH)

Term-End Examination

June, 2013

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

Time : 3 hours

Maximum Marks : 70

Note : All questions carry equal marks. Attempt any seven.

1. Write a short note on the standards of purification required to be maintained in a water supply project. **10**
2. Enumerate the various Equipment systems for refuse and garbage disposal work. **10**
3. Describe with sketches, the various types of valves used in a water distribution system. **10**
4. Explain with sketches the working of : **10**
 - (a) Imhoff Tank
 - (b) Biogas Plant

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5. Differentiate between intermittent supply of water and continuous supply system of water. Give advantages and disadvantages of each system. **10**
6. What is meant by treatment of water ? Explain the various processes in the treatment of water. **10**
7. Describe the following : **10**
- (a) Clear Water Reservoir
 - (b) Service Reservoir
8. Explain various sanitary fittings, their working and installations (giving sketches) : **10**
- (a) Water Closet (W.C)
 - (b) Urinals
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