

BACHELOR OF ARCHITECTURE (B ARCH)

Term-End Examination

December, 2012

00883

**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 five.

1. What do you mean by potable water ? Elaborate its sources and characteristics. **14**
2. What are the various systems of distribution of water in a city ? Describe them with a layout. **14**
3. Explain the working of the following : **14**
(giving sketches.)
 - (a) Septic Tank
 - (b) Manhole
4. Describe the types of taps and fittings used on a distribution system. Give sketches. **14**

5. Sketch out and explain the various types of Joints used for water mains. 14
 6. What is rain water harvesting ? Mention other methods of conserving water resources. 14
 7. What are the different sources of water supply in general ? Explain each in detail. 14
 8. Differentiate between one-pipe and two-pipe systems. 14
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