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BAR-049

BACHELOR OF ARCHITECTURE (B.Arch.)

Term-End Examination June, 2017

BAR-049 : ARCHITECTURAL SCIENCES AND SERVICES – III

(WATER SUPPLY AND SANITATION)

Time: 3 hours Maximum Marks: 70

Note: Attempt any **five** questions. All questions carry equal marks. Supplement your answers with neat sketches.

- **1.** What is 'purity of water' ? Elaborate the methods of purification of water.
- 2. Write notes on 'Manhole' and 'Sluice Valve'. 14
- **3.** Discuss the following: $2 \times 7 = 14$
 - (a) Fire Storage
 - (b) Sanitary Fittings

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4.		te between	any	two	of			
	following:	following: $2 \times 7 = 14$						
	(a) Fixtur	Fixture units and Flow rates						
	(b) COD a	COD and BOD						
	(c) House	House drain and House sewer						
5.	Explain the considerations for design of rain water and surface water disposal for a multi-storied residential apartment building. 14							
6.	Explain with sketches, the internal plumbing layout and system for a typical apartment with 1-bedroom flat arrangement. Also, determine the size of pipes.					14		
7.	_	e working of a sustainable		-		d its	14	