

Cod	e	:	15CE32T

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Register			
Number			1

## III Semester Diploma Examination, Nov./Dec. 2017

## WATER SUPPLY ENGINEERING

Time: 3 Hours   [ Max. N		larks : 100	
Note	Note: (i) Answer any six questions from Part – A. Each question carries 5 (ii) Answer any seven questions from Part – B. Each question carrie		
		PART – A	
1.	State th	e factors affecting per capita demand.	5
2.	Summa	rise the merits and demerits of cast iron pipes.	5
3.	List any	five requirements of potable water.	5
4.	Explain	briefly about total solids in water.	5
5.	Disting	uish intermittent system with continuous system of water supply.	5
6.	Explain	check valve with neat sketch.	5
7.	Explain	briefly about Reverse Osmosis treatment of potable water.	5
8.	Explain	briefly the benefits of rain water harvesting.	5
9,	Summa	rise the difference between organic and inorganic pollutants in water	
		[1 of 2]	Turn over

Estimate the population for the year 2020 and 2030 by Arithmetical Increase method.

87,100

98,200

2000

2010

5

12.	Explain with a neat sketch Reservoir Intake.	10
13.	Explain briefly the advantages of using Alum as coagulant in sedimentation vaccagulation.	vith 10
14.	Explain with neat sketch working of slow sand filter.	10
15.	Explain with neat sketch working of flash mixer.	10
16.	Explain with sketch Grid iron system layout in distribution system.	10
17.	Distinguish between :  (i) Ferrule and Goose neck  (ii) Stop cock and Bib cock	10
18.	Explain briefly the method of disinfecting well water.	10
19.	Explain the various preventive measures against water pollution.	10