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Register			
Number			

## III Semester Diploma Examination, April/May-2018

## WATER SUPPLY ENGINEERING

Time: 3 Hours ]		Max. Mar	ks : 100
Instructions: (i) (ii)	Answer any six questions from Part - A. Ea Answer any seven questions from Part - marks.	ch question carries  B. Each question	5 marks. carries 10
	PART - A		
1. Define the ten	m Ecology and ecosystem.		5
2. Explain about	percapita demand.		5
3. List the impur	rities present in water.		5
4. Explain chlor	ination and its advantages.		5
5. Compare elev	vated reservoir with surface reservoir.		5
6. Explain funct	tions of reflux valve with neat sketch.		. 5
7. Explain rever	rse osmosis system of water purification.		5
8. Explain rural	water supply systems.		5
9. Describe the	source of water pollution.		5
	1 of 2	8 n 0 17	Turn over

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				PAR	Т – В			v., w.	
1.	(a)	Summarize the me	erits and de			e.		5	
	(b)							. 5	
								#505 75 1727	
2.	The	following data have				nsus departi	nent.	10	
		Sl. No.	Year	Po	pulation			12	
84		1	1957		8,000				
		2	1967		2,000				
		3	1977		7,500				
	30	5	1987 1997		2,000	85			
		6	2007		7,000				
		7	2017		7,500				
	Esti	mate the population			The state of the s	by Increme	ntal Increase	mathada	
7.	1700000	man property	tor the jet		and 2007	by mereme	iitai increase	methods.	
3.	Exp	lain with neat sketch	River Into	ake	100			10	
	1.5			anc.				10	
4.	(a)	Describe Break po	int chlorin	ation					
200	(b)				of Plank M	<b>★</b> 20/201			
	(0)	With neat sketch n	iention the	parts	or reasn ivi	ixer.	. 15	. 5	
5.	Exp	lain with net sketch	function	anne	nation wo	dilan and a			
118.550	filte	r.	Tunction,	Consti	uction, wo	rking and o	peration of s	And the second s	
	2.3					100		10	
6.	(a)	Write a note on wa	ter born di	2022		N.		_	
	(b)	Draw the flow diag				- La		5	
	(0)	Draw the now drag	rains of w	ater ir	eatment wo	orks.		5	
7.	Expl	lain with sketch the f	following s	vsterr	e of lav-ou	in distribut	tan mutan		
351	(i)	Radial system	ono wing a	ysica	is of tay-ou	t in distribu	ion system.	277	
	(ii)	Grid Iron system							
	(11)	One non system						10	
8.	Sket	oh the constructions	I deseile es		ce u	· con and less for			
0.	cock	ch the constructiona , (ii) Bib cock.	i details ai	na use	s of follow	ing water si	apply fittings		100
	COUR	, (II) DIO COCK.					1	10	
9.	Man	et-mathada a C	140			2.0		-	
у.	Men	tion the methods of	echarging	groun	d aquifer.	Explain anyo	one.	10	
10	Who		and Sulley norm			= 1/4			
10.	wna	t are the effects of	water pol	lution	? Mention	the contro	l measures	of water	
	pone	ition.						10	