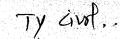


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	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSIT	Y, LONE	RE	
		RM NO.	F/TEAH/	ж .
		EV. NO.	00	
		E DATE	15-09-20	17
Subjec	et Name: Environmental Engineering et Code: BTCVC 504 Marks: 20 Date:-23/09/2019 Duration:-1	Hr.		
1.	ctions to the Students: Question 1 is compulsory. Draw necessary diagram and sketches as and when required. Assume suitable data as and when required.			
		Level	CO	Marks
Q. 1	Solve all the questions.			6
	1. The average quantity of water (in lpcd) required for domestic purposes according to IS code is a) 100 b) 120 c) 70 d) 135	1	CO1	1
	2. Identify the correct relation between the following? a) Dissolved solid = Total solid + Suspended solid b) Dissolved solid = Total solid - Suspended solid c) Total solid = Dissolved solid / Suspended solid d) Dissolved solid = Suspended solid - Total solid		CO2	1
	3. State whether the following statement is True or False. Carbonate hardness can be removed by adding lime to water. a) True b) False	1	CO2	1
	4. Which of the following process is used to remove the colloidal particles from water? a) Chemical precipitation b) Chemical coagulation c) Ion exchange d) Adsorption	2	CO2	1
	5. In which type of settling, sedimentation of discrete particles takes place? a) Zone settling b) Compression settling c) Hindered settling d) Discrete settling		C02	1
	6. The pressure in the distribution mains does not depend on a) Altitude to supply water b) Fire fighting requirements c) Availability of funds d) Quality of water	2	C03	

	Solve Any Two of the following.			y 11. j. 2. h	3 X 2
(A)	What do you understand by treatment of water? Why it is necess Give an outline of various processes adopted for treatment of wa with sketch.		1	CO2 -	3
(B)	Explain different theory of filtration.		1 .	CO2	3
(C)	Explain Break point chlorination in detail with diagram.		2	CO2	3 _
			nesterni. Kanganga		
Q. 3	Solve Any One of the following.				8
(A)	Estimate projected population for the year of 2019, and 2022 be the following data by using various methods.	sed on	2	CO1	8
	Year Populat	ion			
	1982 7200	0			
	1982 7200 1992 8500				
		0			
	1992 8500	0			
(B)	1992 8500 2002 1,10,5	0 00 00	2	CO2	8