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	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVER	SITY, LON	ERE	0-10-1
Mid Semester Examination – Sept./Oct. 2019 RE Course: B. Tech in Civil Engineering Sem: V			RM NO. F/TEASUR	
			00	
			E DATE 15-09-2017	
Subje	ct Name: Environmental Engineering ct Code: BTCVC 504 Marks: 26 Date:-23/09/2019 Duratic	o:-1 Hr.		
	Marks: 20 Date:-23/09/2019 Durations to the Students:	и:- 1 ил.		
1. 2.	Chons, to the Students: Question 1 is compulsory. Draw necessary diagram and sketches as and when required. Assume suitable data as and when required.			
3. 10	맛있다. 하는 이 나를 맞는데 이 이번 사람들이 그 없었다.	Leve	CO	Mark
Q. 1			0.0407	-10-00
	The average quantity of water (in iped) required for domestic purp according to 15 code is 100 100 1120 1135	oses 1	COI	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	
	State whether the following statement is True or False. Carbonate hardness can be removed by adding lime to water. a) True b) False	Ì	CO2	1
	4. Which of the following process is used to remove the colloidal part from water? a) Chemical precipitation b) Chemical coagulation c) Ion exchange d) Adsorption	cles 2	C02	
	5. In which type of settling, sedimentation of discrete particles takes place? a) Zone settling b) Compression settling c) Hindered settling d) Discrete settling	1	C02	1
	a) Discrees secting 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		C03	1

0.2	Solve Any Two of the following.				314
(A)				CO2	3
(B)	Explain different theory of filtration.			CO2	3
(C)	Explain Break point chlorination in d	2	CO2	3	
Q. 3	Solve Any One of the following.			10.75	8
(A)	Estimate projected population for the the following data by using various m		2 C01		8
1	Year	Population			
16	1982	72000			
63	1992	85000			
1):	2002	1,10,500			
1	2012	1,44,000			
(B)	Design a Cascade Acrator having a discharge of 115 MLD. Assume suitable data.		2	C02	8
1		*** End ***	4		

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