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Code No: 138CU

**R16** 

	AG	JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABA B. Tech IV Year II Semester Examinations, December - 2020 INDUSTRIAL WASTE WATER TREATMENT (Civil Engineering) Max. Mai	AG	A
Answer any Five Questions All Questions Carry Equal Marks				
	AG	Mention the permissible limit of discharge standards for parameter in Inland water and land for irrigation.  a) Suspended solids (mg/l), b) pH c) BOD (mg/l) d) Arsenic (mg/l) e) oil and grease (mg/l).	I surface	A
	AG AG	Mention the permissible limit of discharge standards for parameter in public semarine coastal areas.  a) Suspended solids (mg/l) b) pH value c) oil and grease (mg/l) d) BoD (mg/l) e) Arsenic (mg/l).	wers and	<u> </u>
	3.a) b)	Differentiate Aerated and Vortex type of Grit Chamber.  Write about the secondary clarifier process.	[8+7]	
	4.a) b)	What are the objectives of primary treatment? Explain in detail the flocculation mechanism process?	[9+6]	
	AG.	Explain in detail the filter media Characteristics and different types used in filter mechanism	Trickting []/5]	A
	6.	Write about under drainage system and distributor in trickling filter system ale neat sketch.	ong with [15]	
	7.	Give in detail the salient features of Facultative and Maturation Pond.	[15]	
	8.a) b)	Explain in detail the operation and maintenance of the sludge feed pump.  What is the applicability of a sludge drying bed?	[8+7]	Λ
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