Seat I	No.: _	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY M. E SEMESTER – II • EXAMINATION – SUMMER • 2014	
Subject code: 1721702 Date: 18-06-201		ode: 1721702 Date: 18-06-2014	
Subi	ect N	lame: Industrial Water And Wastewater Treatment	
Time: 02:30 pm - 05:00 pm			
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	1.	Attempt all questions.	
	2.]	Make suitable assumptions wherever necessary.	
	3.]	Figures to the right indicate full marks.	
Q.1	(a)	What are the different treatments given to water for various industrial activities?	07
	(b)	What different treatments are given to major industrial wastes?	07
Q.2	(a)	What different techniques are used for treatment of saline water?	07
	(b)	Explain in detail biological process used to treat industrial wastewater.	07
		OR	
	(b)	Explain in detail quality of water required for different industrial activities.	07
Q.3	(a)	Explain in detail phisico-chemical process for wastewater treatment.	07
	(b)	What are the different methods used for volume reduction in wastewater treatment? OR	07
Q.3	(a)	Explain in detail application if electro dialysis in saline water conversion	07
	(b)	What are the different methods for strength reduction in wastewater plants?	07
Q.4	(a)	Explain in detail õsedimentation for waste water treatmentö.	07
	(b)	What is significance of neutralization in wastewater treatment?	07
		OR	
Q.4	(a)	Explain in detail primary treatments in industrial wastewater plants.	07
Q.4	(b)	Explain adsorption methods for wastewater treatment.	07
Q.5	(a)	What is CETP? Does CETP provide economical way of effluent treatment or not?	07
	(b)	Explain treatments given to water for steam generation.	07
o -		OR	c =
Q.5	(a) (b)	Explain in detail if joint treatment of industrial and domestic waste is feasible or not? Explain in detail treatments given to water for cooling and water for heating in	07 07

industry.