GUJARAT TECHNOLOGICAL UNIVERSITY

GUJARAT TECHNOLOGICAL UNIVERSITT BE - SEMESTER-VII (NEW) - EXAMINATION – SUMMER 2017 Subject Code: 2171305 Date: 04/05/2017 Subject Name: Environmental Monitreing and Statistics				
				Time: 02.30 PM to 05.00 PM Total Mark
III3	1 2 3	 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 		
Q.1	(a) (b)	Describe electrometric and spectroscopic method. What is normal probability function? Explain by giving suitable examples.	07 07	
Q.2	(a) (b)	Write about chemical contaminants and it fate and migration. Illustrate sample variables and its types with suitable examples. OR	07 07	
	(b)	Write short note on: correlation, covariance and standard deviation.	07	
Q.3	(a)	Write in detailed about the sample processing and storage of microbial contaminants.	07	
	(b)	Explain about the ground water monitoring by describing objectives, location of monitor wells, well construction design. OR	07	
Q.3	(a) (b)	Elaborate types of air monitoring along with NAAQ Standards. Explicate water sampling techniques in detail.	07 07	
Q.4	(a)	What is acid mine drainage? Elucidate different processes that lead to acid mine drainage.	07	
	(b)	Discuss the operation of an electrostatic precipitator along with its advantages and disadvantages.	07	
0.4		OR	07	
Q.4	(a)	examples	07	
	(b)	Elucidate ground water monitoring by describing objectives, location of monitor wells, well construction design.	07	
Q.5	(a) (b)	What is an environmental characteristic? Describe its types. Explain in detailed monitoring techniques and its chemical characteristics of	07 07	
		OR		
Q.5	(a)	Define the roles of environmental monitoring in environmental study along with the detail description of types of environmental monitoring.	07	

(b) Write a detail description on spatial distribution and interpolation. 07
