Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER-II • EXAMINATION – SUMMER - 2017

	U		e: 29/05/2017	
	Subject Name: Environmental Monitoring Time: 02:30 PM To 05:00 PM Total Man		ks: 70	
Ins	tructic 1. 2. 3.	Attempt all questions. Make suitable assumptions wherever necessary.		
Q.1	(a) (b)	Explain the objectives of Environmental Monitoring. Discuss sampling types and size with reference to environmental monitoring in general	07 07	
Q.2	(a)(b)	Discuss check list before start field sampling also narrate on site analysis of water sample. Explain the criteria for sampling locations with reference to environmental monitoring.	07 07	
	(b)	OR Explain different site selection criteria and sampling frequency for water quality monitoring	07	
Q.3	(a) (b)	Describe preservation techniques of water samples. Explain the sampling procedure for microbial characterization. OR	07 07	
Q.3	(a) (b)	Explain the procedure for monitoring of stack air quality. Describe different microorganisms in soil with its significance.	07 07	
Q.4	(a) (b)	Discuss measurement methods of national ambient air quality Discuss various applications of remote sensing in environmental health and safety. OR	07 07	
Q.4	(a) (b)	Explain procedure for SO _x monitoring in ambient air. Discuss pollutant selection criteria for air quality monitoring	07 07	
Q.5	(a) (b)	Explain data collection system of GIS. What are the different types of contaminants and its sources? OR	07 07	
Q.5	(a) (b)	Explain applications of GIS in Environmental Engineering. Explain objectives of ground water monitoring also identify location of monitor wells.	07 07	
