Seat No.:	Enrolment No.

		GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-V- EXAMINATION - SUMMER 2016	
S	ubjec	ct Code: 151305 Date: 17/05/20	016
S	ubjec	ct Name: Air Pollution & Control (Institute Elective - II)	
		02:30 PM to 05:00 PM Total Marks:	70
Ir	,	1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	
Q.1	(a) (b)	Describe the Effects of Air Pollution On Human, Vegetation and Materials. Give classification of air pollutant based on sources.	07 07
Q.2	(a) (b)	Explain Absorption and Dispersion along with examples List important meteorological parameter that influencing Air Pollution and explain any one in Detail.	07 07
	(b)	OR What are the Greenhouse Gases? Explain the Phenomenon of melting ice & its effect on earth.	07
Q.3	(a) (b)	Explain A/F ratio in detail. Explain general characteristics of plumes. OR	07 07
Q.3	(a) (b)	Write a short note on Alternative Fuel Write a short note on emission reduction by engine design changes.	07 07
Q.4	(a) (b)	List out the methods for Odour control. Explain any three of them. Explain Limestone scrubbing for control of SOx. OR	07 07
Q.4	(a) (b)	Explain the heat Island effect. Explain NOx control by Modification Of Operating & Design Conditions.	07 07
Q.5	(a)	With a neat sketch explain the principal, Construction and working of a cyclone separator.	07
	(b)	Explain effects of Photochemical Smog. OR	07
Q.5	(a) (b)	Explain advantages of using CNG as automotive fuel. Briefly Describe the History of Different Air Pollution Episodes held till Now.	07 07
