GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER- VI• EXAMINATION-SUMMER 2015

Subject code: 161302 D		code: 161302 Date:04/05/2015	ate:04/05/2015	
Subject Name: Fundamentals of Air Pollution Time: 10:30 am to 01:00 pm Total Mark			s: 70	
Instructions:				
	1.	Attempt all questions.		
	2.	Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	Discuss the effects of Particulate matter on human and Vegetation.	07	
	(b)	Discuss the effects of SO ₂ on human health.	07	
Q.2	(a)	Discuss the primary parameter which affects the air pollutants.	07	
	(b)	Discuss the Secondary parameter which affects the air pollutants. OR	07	
	(b)	Discuss the effects of NO _x on human health, Animals and vegetation.	07	
Q.3	(a)	Write a short note on Stability condition.	07	
	(b)	Discuss Plume behavior with diagram. OR	07	
Q.3	(a)		07	
	(b)		07	
Q.4	(a)	1	07	
	(b)	Why Isokinetic Sampling is important in Stack Monitoring? Justify with example.	07	
		OR		
Q.4	(a)		07	
Q.4	(b)	Enlist and Explain the control methods of Odor.	07	
Q.5	(a)		07	
	(b)	Define Temperature Inversion and explain it in brief. OR	07	
Q.5	(a)		07	
	(b)	Briefly explain the characteristics of Noise.	07	