Sea	ıt No.:	Enrolment No	_
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		ME – SEMESTER II (NEW) – • EXAMINATION – SUMMER 2016	
Su	biect	Code: 2721710 Date: 24/05/20	16
	•	Name: Air & Noise Pollution Control	
	•	0:30 am to 01:00 pm Total Marks:	70
	tructio	ons:	
		Attempt all questions. Make suitable assumptions wherever necessary.	
		Figures to the right indicate full marks.	
Q.1	(a)	Explain the sources & effects of air pollution.	07
	(b)	What is Air pollution Index? Describe various methods for measuring Air Pollution Index.	07
		Tollution findex.	
Q.2	(a)	Discuss the importance of winds in air pollution studies. Explain 'wind rose	07
	~ \	diagram' with neat figure.	
	(b)	Describe various plume behaviors with diagrams. OR	07
	(b)	Write short note on the Indian Standards for ambient air Quality.	07
	()		
Q.3	(a)	What is Gaussian plume theory and explain Gaussian Plume Models.	07
	(b)	Mentioned objectives of stack monitoring. Write a short note on Stack Monitoring Kit with neat sketch.	07
		OR	
Q.3	(a)	Describe the procedure for collection and analysis of NO ₂ from the stack.	07
	(b)	Discuss the meteorological parameters that influence the air pollution.	07
0.4	(a)	Write a short note on Ambient Air monitoring	07
Q.4	(a)	Write a short note on Ambient Air monitoring.	
	(b)	Write a short note on Cyclone Separator.	07
Q.4	(a)	OR Write a short note on various control methods for gaseous pollution.	07
.	(b)	Write a short note on electrostatic precipitator.	07
	(D)	write a short note on electrostatic precipitator.	07
Q.5	(a)	Explain sources and effects of noise pollution.	07
	(b)	Discuss various pollutants emitted from automobiles. Also explain its impacts on	07
	. ,	human health and environment.	
		OR	
Q.5	(a)	Explain various control methods for noise pollution.	07
	(b)	How automobile emission can be controlled? Explain various methods for it.	07
