Seat	No.: _		Enrolment No	_
		GUJARAT TECHNOLOG		
Ch	inat (	BE - SEMESTER-VII • EXAMINA'		
•	•	Code: 171302	Date: 02-12-2014	
Sub	ject r	Name: Air Pollution Control and Ma	nagement	
	e: 10 uction	0:30 am - 01:00 pm	Total Marks: 70	
111501		Attempt all questions.		
		Make suitable assumptions wherever necessary	y <b>.</b>	
		Figures to the right indicate full marks.		
Q.1	(a)	What is Air Quality? Which parameters are standards?	includes in the ambient air quality	07
	<b>(b)</b>	What is A/F ratio in automobile? Discuss w	ith sketch.	<b>07</b>
Q.2	(a)	Write a short note on combustion control methods for NOx. 0		<b>07</b>
	<b>(b)</b>	Discuss alternative fuels in automobile.		<b>07</b>
		OR		
	<b>(b)</b>	Write a short note on Turbojet Engines.		07
Q.3	(a)	e ;		07
	<b>(b)</b>	Briefly explain Double Alkali Scrubbing Sy OR	stem for Sulfur Dioxide.	07
Q.3	(a)	Discuss in detail the selection criteria for the air pollution control Equipment. 0'		07
	<b>(b)</b>		1 1	07
Q.4	(a)	Enlist Advantages and Disadvantages of Cy	clone Separators.	07
	<b>(b)</b>		<u> </u>	07
	, ,	OR		
Q.4	(a)	Write a Brief note on Types of Cyclone with	n neat sketch.	<b>07</b>
	<b>(b)</b>	Write a Brief note on Types of Scrubbers w	ith neat sketch.	07
Q.5	(a)	Write a short note on Electro Static Precipit	ator.	07
	<b>(b)</b>	Discuss the Air pollution control equipmen particle size and cost.	t with respect to removal efficiency,	07
		OR		
Q.5	(a)		notochemical reaction.	07
~	<b>(b)</b>			07

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