Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION - SUMMER 2015

Subject Code: 171302 Date:08/05/2015

Subject Name: Air pollution & Control management

Time: 02:30 to 05:00 Total Marks: 70

Instructions:

1.	Attempt al	I questions.
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- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q-1	(a) 'Air pollution control Management' discuss in Detail.	
	(b) Discuss ambient air quality Standards.	07
Q-2	(a) What is Catalytic Converter? Discuss in Detail.	07
	(b) Write a Short note on alternative Fuel.	07
	OR	
	(b) Write a short note on Engine Design Change.	07
Q-3	(a) Discuss A/F ratio in detail.	07
	(b) Write a Short note on Air Pollution Indices.	07
	OR	
Q-3	(a) Write a Short note on Photochemical Reactions.	07
	(b) Write a Short note on Double Alkali Scrubber.	07
Q-4	(a) Write a short note on Cyclone Separator.	07
	(b) Write a short note on Gravity Settler.	07
	OR	
Q-4	(a) Discuss the Combustion Control Methods for NOx.	07
	(b) Write a short note on Electrostatic Precipitator.	87
Q-5	(a) Enlist & Explain the Control methods for Gases & Vapors.	07
	(b) Write a Short note on Flue Gas Desulfurization.	07
	OR	
Q-5	(a) Write a short note on ambient air quality in metro city.	07
	(b) Discuss Air pollution Control Equipmement Selection Criteria.	07