Seat No.:		Enrolment No		
		GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-V • EXAMINATION – SUMMER • 2015		
	Subject Code: 151305 Subject Name: Air Pollution & Control Time: 02.30pm-05.00pm Instructions:  Date: 15/0 Total Ma			
		<ol> <li>Attempt all questions.</li> <li>Make suitable assumptions wherever necessary.</li> <li>Figures to the right indicate full marks.</li> </ol>		
	Q-1	(a) What are the ill effects of CO on human health, vegetation, plants	07	
		<ul><li>and property?</li><li>(b) Briefly Describe the History of Different Air Pollution Episodes held till Now.</li></ul>	07	
	Q-2	(a) Explain A/F ratio in detail.	07	
		(b) Write a short note on Alternative Fuel.	07	
		OR		
		(b) Write a short note on emission reduction by engine design changes.	07	
	Q-3	(a)Explain effects of Photochemical Smog.	07	
		(b) Define a wind rose. Explain the importance of wind roses in air pollution studies.	07	
		OR		
	Q-3	(a)Explain heat island effect.	07	
		(b) Explain general characteristics of plumes.	07	
	Q-4	(a) What is noise pollution? Describe sources of noise pollution	07	

(b)Write a short note on Cyclone separator.

(b) Explain in brief Electrostatic Precipitator.

(a) Explain Limestone scrubbing for control of Sox.

(a) Explain NOx control by

(A) Absorption by liquid.(B) Catalytic Reduction.

(b) Write a detailed note on MMD.

(b) Explain the Inversion Of Atmosphere.

(a) Explain the causes and control of Odour problem.

Q-4

Q-5

Q-5

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OR

OR

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