Code: CS5T5FE1, EE5T6FE2, ME5T6FE3, EM5T6FE1, IT5T5FE3

III B.Tech - I Semester - Regular Examinations - November 2015

AIR POLLUTION & CONTROL (Common to CSE, EEE, ME, ECM, IT)

Duration: 3 hours Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

- 1 a) Discuss the impact of man on environment mentioning the major environmental issues.

 7 M
 - b) Define Air pollution. Discuss the sources and classification of air pollution.

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- 2 a) Name the global effects of air pollution and state pollutants responsible for each of those effects.

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 - b) What is green house effect? Which gases are causing Green house effect? How this effect can be reduced? 7 M
- 3 a) Explain in detail the meteorological aspects of air pollution.

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 - b) Write a short note on the properties of atmosphere. 7 M

4 a)	Explain with neat sketches, how different atmospheric	
	conditions give rise to different kinds of plume?	7 M
b) What do you mean by atmospheric stability and explain	n the
	different types of inversion?	7 M
5 a)	Describe with a neat sketch the principle and working of	of a
	centrifugal separator.	7 M
b)	Explain the working principle of Wet Scrubbers with a	neat
	sketch.	7 M
6 a)	Explain Nitrogen Oxides control technologies.	7 M
b)	Write about the condensation techniques involved in	
	Gaseous emission controlling.	7 M
7 E	Explain the controlling measures of So _x and NO _x .	14 M
8 a)	Explain the stack monitoring for flue gases.	7 M
b`	Discuss the emission standards for air quality managem	ient
0,	, ~ -~ quality illustrations for all quality illustrations	7 M
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