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Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

**BE - SEMESTER-VIII • EXAMINATION - SUMMER • 2015** 

Subject code: 180406		Date:05/05/2015		
Subj	ect l	Name: Environmental Management		
Time: 10.30AM-01.00PM		Total Marks: 70		
Inst	ruct	ions:		
	1.	Attempt all questions.		
	2.	Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)	Explain the steps taken for removal of NOx from the	07	
Ų.1	(a)	industrial gaseous outlet.	07	
	<b>(b)</b>	_	07	
	(,-)	Francisco de Constante Production		
<b>Q.2</b>	(a)	Explain in brief:	07	
		1) Land-filling		
		2) Composting		
		3) Incineration		
	<b>(b)</b>	Describe the basic design and operating principle of fabric	07	
		filter.		
OR				
	<b>(b)</b>	Explain sampling methods for air pollution.	07	
<b>Q.3</b>	(a)		07	
	<b>(b)</b>	1	07	
		OR		
<b>Q.3</b>	(a)	1	07	
		1) Flocculent settling		
		2) Zone settling.	07	
	<b>(b)</b>	Justify: Acid rain can be devastating.	07	
Q.4	(a)	Which is bad: Global warming or Green house effect or	07	
<b>V.</b> T	(a)	both? Explain both of them.	07	
	<b>(b)</b>		07	
	(0)	wastewater disposal.	07	
		OR		
<b>Q.4</b>	(a)		07	
ζ	(44)	contamination.	•	
<b>Q.4</b>	<b>(b)</b>		07	
•	, ,	specifically for the paper and pulp industries.		
Q.5	(a)	Explain how medical and industrial wastes generated can be	07	
		hazardous.		
	<b>(b)</b>	Elaborate on the various technologies for hazardous waste	07	
		minimization.		
OR				
Q.5	(a)	· · · · · · · · · · · · · · · · · · ·	07	
	<b>(b)</b>	State the guidelines provided for the generator of hazardous	07	

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wastes.