Seat No:

Enrolment No:-----

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION - SUMMER • 2015

Subject code: 181301 Subject Name: Municipal and Hazardous Solid Waste Management Time:10.30AM-01.00PM		Date:15/05/2015
		Total Marks: 70
Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.		
Q-1	(a)What is the Status of Solid Waste management in India.	07
	(b) Explain characteristics of Municipal Solid Waste.	07
Q-2	(a) Write down the hierarchy of integrated solid waste management?	07
	(b) What is Transformation? Write down importance of Waste Transformation.	07
OR		
	(b)Which are the processes used for biological transformations?	07
Q-3	(a)Describe methods for Waste Quantification.	07
	(b)Explain categories of Bio Medical Waste.	07
OR		
Q-3	(a)Enlist various treatments of Bio Medical Waste and explain any one.	07
	(b)Describe waste minimization, waste exchange and recycling as per hazard waste management.	lous 07
Q-4	(a) Write short note on Leachate.	07
	(b) What is Composting? Explain the two principal methods of Composting	07
OR		
Q-4	(a) Discuss Classification of landfills and types of landfills.	07
	(b)Explain the principal issue associated in the implementation of Compostin Facilities.	ng 07
Q-5	(a)Enlist (Locational) Knock Down criteria for selection of Landfill site.	07
	(b)Describe the types of Waste Collection System.	07
OR		
Q-5	(a) Draw Single and Double Liner Composite system.	07
	(b) What is the importance of storage of Solid Waste at Sources?	07
