Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – I • EXAMINATION – SUMMER • 2013

Subj	Subject code: 711803 Date: 13-06-2013 Subject Name: Municipal and Hazardous Solid Waste Management Time: 10.30 am – 01.00 pm Total Marks: 70		
Insti	ruct	ions:	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Why composition of Solid Waste is an important for management? Explain physical properties in detail.	07
	(b)		07
Q.2	(a)	What is importance of processing the solid waste? Explain compaction and shredding in detail.	07
	(b)	•	07
		OR	
	(b)		07
Q.3	(a)	Explain Air Separation and Magnetic Separation in detail.	07
· C	(b)		07
Q.3	(a)	Write a short note on composting of Municipal Solid Waste.	07
	(b)		07
Q.4	(a)	Explain the principles of Waste Management. How would you minimize waste generation through changes in process, technology and practices? OR	14
Q.4	(a)	Give the detailed classification of Biomedical Waste with its characteristics.	07
	(b)	Explain collection and transportation of Biomedical Waste.	07
Q.5	(a)	Explain the concept of incineration ., pyrolysis and plasma technologies. How are they different from each other? What are the advantages and disadvantages of each of them? OR	14
Q.5	(a)		14
