Seat No.: Enrolment No.	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – I • EXAMINATION – SUMMER • 2014

	Subject	t code: 711803N Date: 19-06-2014 t Name: Municipal and Hazardous Solid Waste Management 02:30 pm - 05:00 pm Total Marks: 70 ctions:	
	2	Attempt all questions.Make suitable assumptions wherever necessary.Figures to the right indicate full mark.	
Q.1	(a) (b)	Enlist properties of Hazardous Solid Waste and explain any one in detail. Write a short note on Sources of hazardous solid waste.	07 07
Q.2	(a) (b)	Explain the Categories of Biomedical Waste. Explain Double Liner System for secured Landfill site. OR	07 07
	(b)	What is importance of processing of solid waste?	07
Q.3	(a)	Write the sources of municipal solid waste with its location of generation and types of solid waste.	14
Q.3	(a)	OR Explain following processes for recovery of biological conversion (i) Composting (ii) Anaerobic Digestion	14
Q.4	(a) (b)	Write the affect on selection of site for disposal of municipal solid waste. Why collection of solid waste in urban area is difficult and complex? OR	07 07
Q.4	(a)	Give the classification of transfer station based on direct discharge and storage discharge.	14
Q.5	(a)	Explain Following rear-end System for chemical and biological conversion processing (i) Incineration (ii) Pyrolysis (iii) Hydrolysis (iv) chemical conversion	14
Q.5	(a)	OR Enlist methods used to determine the generation of municipal solid waste. Explain	14

any two in detail.