Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

U	t Code:181301 EXAMINATION – SUMMER 2016 Date:10/05	/2016
	t Name:Municipal and Hazardous Solid Waste Management 0:30 AM to 01:00 PM Total Mar ons: . Attempt all questions Make suitable assumptions wherever necessary Figures to the right indicate full marks.	ks: 70
Q-1	(a) What is the Status of Solid Waste management in India.	07
	(b) Explain the Factors affecting the generation of Solid Waste.	07
Q-2	(a) What is the most important Functional Element of Solid Waste Managemen System?(b) Describe the methods for Waste Quantification.	ut 07
	OR	
	(b) Explain the Characteristics of Hazardous Waste.	07
Q-3	(a) Write a Short note on Incineration of Hazardous Waste.	07
	(b)Write a short note on Leachate & its Management.	07
	OR	
Q-3	(a) Explain in brief Pyrolysis System.	07
	(b) What is Composting? Explain any two principle methods of Composting.	07
Q-4	(a) Write a short note on Transfer & Transport of Solid Waste.	07
	(b) Write a short note on energy from MHSW.	07
	OR	
Q-4	(a) Enlist & Explain the Collection System of Solid Waste.	07
	(b) Write down the hierarchy of integrated Solid Waste Management.	07
Q-5	(a) Explain the Categories of Bio-medical Waste.	07
	(b) Explain the Single & Double Liner Composite System with Schematic Diagram.	07
	OR	
Q-5	(a) Enlist Different methods used for the treatment of Bio-medical Waste.	07
	(b) Explain (Locational) knock down Criteria for Selection of Landfill.	07