

Seat No:

Enrolment No:-----

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015

Subject code: 181301

Date:15/05/2015

Subject Name: Municipal and Hazardous Solid Waste Management

Time:10.30AM-01.00PM

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 hazardous waste management. 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 Composting Facilities. 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
