

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VIII • EXAMINATION – SUMMER 2014

Subject Code: 181301**Date: 05-06-2014****Subject Name: Municipal and Hazardous Solid Waste Management****Time: 10:30 am TO 01:00 pm****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) Explain sources of Municipal Solid Waste and its composition. **07**
(b) Write short note on collection of Solid Waste. **07**
- Q.2** (a) Explain processing techniques for Municipal Solid Waste. **07**
(b) Write short note on transfer and transport of solid waste. **07**
- OR**
- (b) Write short note on on-site handling and on-site processing of solid waste. **07**
- Q.3** (a) Write short note on Energy from MHSW. **07**
(b) Enlist categories of hazardous waste. **07**
- OR**
- Q.3** (a) Enlist categories of biomedical waste. **07**
(b) Explain transport of hazardous waste with six copies of the manifest as per the colour codes. **07**
- Q.4** (a) Write short note on selection criteria for landfill site. **07**
(b) Explain Incineration in brief. **07**
- OR**
- Q.4** (a) Explain pyrolysis in brief. **07**
(b) Explain various treatments of Bio-medical waste. **07**
- Q.5** (a) Write short note on storage of Bio-medical waste. **07**
(b) Explain waste minimization. **07**
- OR**
- Q.5** (a) Explain waste Recycling and Reuse. **07**
(b) Explain land filling methods in brief. **07**
