

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (OLD) EXAMINATION – WINTER 2018****Subject Code: 181301****Date: 26/11/2018****Subject Name: Municipal And Hazardous Solid Waste Management****Time: 02:30 PM TO 05:00 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) Enlist categories of Biomedical waste. **07**
(b) Enlist & explain the characteristics of Solid waste. **07**
- Q.2** (a) Explain Integrated Solid Waste Management. **07**
(b) Describe Haul container system with neat sketch. **07**
- OR**
- (b) Explain Transfer and Transport of Solid waste in brief. **07**
- Q.3** (a) Explain sources of MSW and its composition. **07**
(b) Differentiate between Recycle & Reuse. Give examples of each. **07**
- OR**
- Q.3** (a) Explain the factors affecting generation rate of Municipal Solid Waste. **07**
(b) Explain the functional elements of Solid waste management. **07**
- Q.4** (a) Draw neat sketch of Sanitary Landfill explaining its components. **07**
(b) Enlist & explain the factors affecting Landfill siting. **07**
- OR**
- Q.4** (a) Write a short note on Leachate Management. **07**
(b) Write a short note on Landfill Mining. **07**
- Q.5** (a) Describe On-site processing of MSW. **07**
(b) Describe Incineration for Solid waste in brief. **07**
- OR**
- Q.5** (a) Enlist & explain various Screens used for separation of MSW. **07**
(b) Explain Pyrolysis in brief. **07**
