

Code: CE7T6D

**IV B.Tech - I Semester – Regular / Supplementary Examinations  
November 2016**

**SOLID WASTE MANAGEMENT  
(CIVIL ENGINEERING)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Classify the solid wastes and explain briefly. 7 M  
  
b) Explain the factors affecting the solid waste management system. 7 M
  
2. a) What is the scope and objectives onsite storage and handling? 7 M  
  
b) Describe various protection methods to be adopted during onsite handling of the solid waste. 7 M
  
3. a) Classify the collection vehicle routing and explain briefly. 7 M  
  
b) Describe the process of man power selection and working of solid waste management. 7 M

4. a) What do you mean by the term transfer station and describe the process? 7 M
- b) What are the factors affecting the collection system based on collection route and transfer station? 7 M
5. a) Describe the various factors affecting composting. 7 M
- b) Why incineration is considered better than open burning? 7 M
6. a) Describe the guidelines for selection of landfill site for the benefit of the society. 7 M
- b) What is meant by Leachate? Describe briefly Leachate collection and treatment. 7 M
7. a) What are the various categories of biomedical waste? 7 M
- b) What is the colour coding for biomedical waste and give one sample of label for biomedical waste container ? 7 M
8. a) Give any 5 ways to deal with the plastic waste. 7 M
- b) What are the categories of e-waste and give any three method to follow in dealing with the e-waste? 7 M