

### UNIT - I

2. (a) Write a note on solid waste. Explain the different sources and types of solid waste. 7.5
- (b) How will you determine the composition of solid waste? 7.5
3. (a) What are the different methods to measure solid waste quantities? 7.5
- (b) Describe the different method affecting solid waste generation rate. 7.5

### UNIT - II

4. Explain in details the Handling, Separation and processing of solid Waste. 15
5. What is landfill? Explain its classification. Discuss the landfill design. 15

### UNIT - III

6. Explain hazardous solid waste. Discuss their effect on environment. Explain the role of individual for their control. 15
7. Write a detailed note on Biological Treatment of Solid and Hazardous Waste. 15

### UNIT - IV

8. What do you mean by Radioactive Waste? Write about the main source of radioactive Waste. Discuss its effect on environment. 15
9. Elaborate E waste? What is the composition of E waste? Discuss its effect on human health and environment. 15

Roll No. ....

**3713**

**B. Tech. 8th Semester  
(Civil Engineering)  
Examination – May, 2023**

**SOLID AND HAZARDOUS WASTE MANAGEMENT**

**Paper : OEC-CE-416-G**

*Time : Three Hours ]*

*[ Maximum Marks : 75*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

*Note : Attempt five questions in all, selecting at least one question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.*

1. (a) What do you understand by MSW ?
- (b) Explain Waste Handling.
- (c) What is Landfill ?
- (d) Write about Hazardous Waste Management.
- (e) Briefly explain reductive processes.
- (f) Explain E waste management System.  $2.5 \times 6 = 15$