

Dec.-22-0297

CE-708 (Municipal Solid Waste Management)

B.Tech. 7th (CBCS)

Time : 3 Hours

Max. Marks : 60

*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

**Note :** Attempt four questions selecting one question from Section A, B, C and D. Section E is compulsory.

**SECTION - A**

1. What are the various sources of solid waste? Explain methods of solid waste management. (10)
2. What are the effects of the improper disposal of waste? (10)

**SECTION - B**

3. What are the techniques of solid waste management? Explain 5 techniques. (10)
4. What are some methods of waste recovery? Explain in brief. (10)

**SECTION - C**

5. Explain the waste disposal methods. (10)
6. What are the types of solid waste collection systems? (10)

**SECTION - D**

7. What are the criteria for site selection of waste disposal?(10)
8. What is the importance of solid waste dumping? Explain its type. (10)

**SECTION - E**

9. Briefly explain the following terms:

- (a) What is solid waste management?
- (b) How does solid waste management affect the society?
- (c) What is raw sewage?
- (d) What is difference between refuse and sewage?
- (e) What is incineration?
- (f) What is landfill leachate treatment method?
- (g) How solid waste is segregated?
- (h) What is pyrolysis of solid waste?
- (i) What is composting?
- (j) What are the harmful effects of solid waste on human health? (10×2=20)