

Question Bank (I Scheme)

Name of Course: Solid Waste Management
Semester: Sixth

Subject code: 22605
Programme: Civil

Unit test I

Unit 1 (Fundamentals of solid waste management)

2 Marks Questions

1. Define solid waste and list any four sources of solid waste.
2. Differentiate between hazardous and non- hazardous solid waste.
3. State the various factors affecting solid waste generation.
4. Explain the term waste prevention and waste reduction.
5. Explain the four "R's" of solid waste management hierarchy.

4 Marks Questions

6. Define solid waste and explain about following
 - a) Domestic Waste
 - b) Industrial waste
 - c) E-waste
 - d) Bio-medical waste
7. State the characteristics of hazardous waste and non- hazardous waste.
8. Give the physical characteristics of solid waste.
9. State the impact of solid waste on environment.
10. Define recycling. What are the purpose of recycling and explain the status of Recycling of solid waste in India.

Unit 2 (storage collection and transportation of municipal solid waste)

2 Marks Questions

11. Explain about effective storage of solid waste.
12. Explain waste segregation and its importance.

13. Enlist transport vehicles with their capacities.
14. Draw neat labelled sketch of Litter Bin.
15. Explain health problems during time of segregation ,reuse ,recovery and recycling of solid waste.

4 Marks Questions

16. Explain the various methods of collection of municipal solid waste.
17. Write a note on problems occurs in transportation of solid waste.
18. What is transfer station? And explain its necessity and factors affecting selection of site for transfer station.
19. Describe the organisation pattern of solid waste management.
20. Describe the following methods of collection of solid waste:
 - a) collection of waste from shops and establishments,
 - b) collection of construction and demolition waste.

Unit 3 (Disposal of municipal solid waste)

2 Marks Questions

21. Explain the principle of composting process.
22. What are the favourable conditions for composting?
23. Differentiate between Bangalore method and Indore method of composting.
24. Enlist factors affecting the composting process and explain any one in detail?

4 Marks Questions

25. Explain in detail about vermicomposting, steps in process of vermicomposting and its advantages?
26. Explain about Bangalore method of composting and draw a neat sketch.