

**2022/TDC (CBCS)/EVEN/SEM I /
EESDSE-603T/1008**

TDC (CBCS) Even Semester Exam., 2022

ECOLOGY AND ENVIRONMENTAL SCIENCE

(6th Semester)

Course No. : EESDSE-603T

(Solid Waste Management)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *fifteen* of the following questions :

1×15=15

1. Define mining waste.
2. What is industrial effluent?
3. What is the impact of solid waste on plant health?
4. Write about land degradation.

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5. Write different techniques used in collection of solid wastes.
6. Define municipal wastes.
7. What is incineration?
8. What is landfill?
9. Name some hazardous industrial wastes.
10. Name some non-hazardous industrial wastes.
11. What is effluent treatment plant?
12. What is BOD?
13. What is RDF?
14. What is the full form of WTE?
15. Define combustion.
16. What is resource recovery?
17. Define solid wastes.
18. What do you mean by ecofriendly aspects?

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(Continued)

(3)

19. Write about Rules 2000 regarding waste management.
20. Write about Rules 1998 regarding ecofriendly aspects.

SECTION—B

Answer any *five* of the following questions : $2 \times 5 = 10$

21. What is the impact of solid waste on human health?
22. Define water quality.
23. Point out the drawbacks in waste management techniques.
24. Write about the biomedical wastes.
25. Point out the effect of industrial wastes on air.
26. Write about the types of industrial wastes.
27. Name some green techniques for waste treatment.
28. Give a brief account of composting.
29. Write about the policies for solid waste management.
30. Name some biomedical wastes.

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(Turn Over)

SECTION—C

Answer any *five* of the following questions : $5 \times 5 = 25$

31. Give an illustrated account of impact of solid waste on environment.
32. Write an essay on groundwater pollution.
33. Describe transportation and disposal of solid wastes.
34. Give an account of traditional and sanitary landfill design.
35. Write an essay on industrial waste management and its importance.
36. Give a detailed account of sewage treatment plant.
37. Write notes on pyrolysis and landfill gas (LFG) recovery.
38. Write an essay on anaerobic digestion and gasification.
39. Give a detailed account of management and handling of biomedical wastes.
40. Write an essay on green products.

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