

MSc Sem.-2 Examination

410

Env. Science

May-2025

Time : 2-30 Hours]

[Max. Marks : 70

Instructions: All Questions carry equal marks
Attempt all Questions
Draw Diagram wherever necessary

Q I	Write note on (i) Landfill (ii) Vermi-composting.	14
OR		
Q I	A. Explain types and composition of automotive and household batteries and methods to dispose them.	7
	B. Describe the methods to recycle glass and plastic obtained from the solid waste.	7
Q II	Explain solid waste management plan in detail.	14
OR		
Q II	A. Give an account on bioremediation of solid waste.	7
	B. Explain in brief waste minimization technology	7
Q III	Write a note on Hazardous waste Management & Handling Rule 1989 & 2000 (amendments) in detail.	14
OR		
Q III	A. Enlist the sources and explain the harmful impacts on environment and organisms caused due to nuclear waste.	7
	B. Write short note on biological method used for treating hospital waste.	7
Q IV	Write a note on (i) Disaster Management and Recovery (ii) Risk and Vulnerability assessment in detail.	14
Q IV	A. Explain any 2 man-made disasters in detail.	7
	B. Describe biological and chemical disaster.	7
Q V	Attempt any 7 out of 12 MCQs/Short question (One- or Two-line answer)/ Fill in the blanks/True or False etc.	14
1	Which types of paper can be recycled?	2
2	Name three main procedures available for disposal of radioactive waste.	2
3	Define: tolerance dose.	2
4	What is Hazardous waste?	2
5	Name two government agencies involved in disaster management in India.	2
6	How can deforestation lead to natural disasters?	2
7	How can improper landfill management affect the environment?	2
8	What is the role of radiation shielding in radioactive waste management?	2
9	Name two environmental risk of radioactive waste leakage.	2
10	How does recycling contribute to waste minimization in hospitals?	2
11	What is waste segregation and why is it important?	2
12	What is leachate and how is it managed in landfills?	2