

A-0930

Total Pages : 3

Roll No.

ENSE-659

M.Sc. Environmental Science (MSCES)

Hazardous Wastes and Their Management

Examination February, 2026

Time : 2:00 Hrs.

Max. Marks : 70

Note :- This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

Section-A

(Long Answer Type Questions) (2×19=38)

Note :- Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

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(1)

P.T.O.

1. Define hazardous waste. Explain its sources, composition, and classification.
2. Describe the process of hazardous waste sampling. How are safety and contamination issues addressed during sampling ?
3. Explain various disposal methods for hazardous wastes and describe the handling of household hazardous wastes.
4. Explain the major components of a hazardous waste management strategy, including waste minimization, reuse, and recycling.
5. Discuss biological treatment practices for hazardous wastes, emphasizing incineration, landfill, and ocean dumping.

Section–B

(Short Answer Type Questions) (4×8=32)

Note :- Section ‘B’ contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Discuss the principles and best practices involved in the storage of hazardous wastes.

2. Discuss the different physical treatment methods for hazardous wastes and their limitations.
3. What are the key characteristics of hazardous wastes ?
4. How do hazardous wastes affect soil quality, and what are their impacts on crops ?
5. Explain waste transportation. Why is labelling important during waste transportation ?
6. What is the purpose of first aid procedures in waste handling ?
7. What are municipal solid wastes, and how are they treated ? Give an example of your city.y
8. Explain briefly any two challenges faced in hazardous waste management in India.
