

A-0857

Total Pages : 3

Roll No.

ENS-504/EVS-506

**ENVIRONMENTAL PHYSICS AND
CHEMISTRY**

M.Sc. Environmental Science (MSCES)

Examination, June 2025

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.

1. Discuss the impact of fire on physical, chemical and biological properties of soil in detail.
2. Write the significance of mountains, plateaus and plains.
3. Discuss the effect of humidity on plants and animals.
4. What are the harmful effects of photochemical smog and tropospheric ozone? Discuss in detail.
5. Discuss any five macronutrients of the soil in detail.

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. Define food dyes and discuss the effect of food dyes on human health in detail.
2. Discuss about organic and inorganic components of the soil.
3. Write a brief account on Sequestrant.
4. What are the different factors that affect water transparency? Explain.
5. What are the chemical characteristics of water? Explain.
6. Explain different types of flavoring agents.

7. Briefly explain acid rain and its formation in the atmosphere.
8. What are the different types of food preservatives? Explain.
