

A-0917

Total Pages : 3

Roll No.

ENS-504/EVS-506

M.Sc. Environmental Science (MSCES)

Environmental Physics and Chemistry

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.

A-0917

(1)

P.T.O.

1. What is eco-toxicity ? Elaborate the effect of eco-toxicants on human health and also discuss the mitigation approaches of eco-toxicants.
2. What is light ? Discuss the various sources of light and the effects of light on plants and animals.
3. (a) What are different types of land forms present on earth ? Discuss the effect of land forms on temperature, precipitation and solar radiation.
(b) What is soil water ? Explain different forms of water available in the soil.
4. What is atmospheric humidity ? How humidity affect the growth and development of vegetation of a place ? Discuss the role of evaporation and transpiration in atmospheric humidity.
5. Define solar radiation. Discuss the effect of temperature on plants and microbes.

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. What is landform ? Describe briefly various types of landforms found on the planet earth.
2. Differentiate between bio-augmentation and bio-concentration.
3. Comment on the use and abuse of chemicals in foods and beverages
4. What is acid rain ? Discuss the various effects of acid rain.
5. Differentiate between Dry deposition and wet deposition.
6. Describe in detail about the wind and its effect on plants.
7. Discuss the role of latitude and longitude on ecosystem development and management.
8. Write a brief account on air pollution and its effects on human health.
