

A-569

Total Pages : 3

Roll No.

ENS-504/EVS-506

**ENVIRONMENTAL PHYSICS AND
CHEMISTRY**

M.Sc. Environmental Science (MSCES)

1st/2nd Semester Examination, 2024 (June)

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. What is Light ? Discuss the various sources of light and role of light on hydrological cycle and drought.

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P.T.O.

2. What is the role of latitude in defining pressure, temperature and wind circulation ? Discuss in detail.
3. Describe the impacts of precipitation on plants and animals in detail.
4. What are the ecological influences of wind and pressure ? Discuss in detail.
5. What do you meant by the micronutrients ? Discuss the role of macro and micronutrients in soil.

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 are the antioxidants ? Discuss briefly about some antioxidant supplements.
2. What do you meant by the emulsion and its mechanism ?
3. What is Wind Energy ? Describe advantages and disadvantages of wind energy.
4. Write a brief account on food dyes.
5. Describe briefly about the ecosystem of tropics.
6. Discuss about the plateaus and its significance.

7. Difference between natural and synthetic food colorants.
8. Describe about the organic and inorganic components of the soil.
