

A-1018

Total Pages : 3

Roll No.

ENS-504/EVS-506

M.Sc. ENVIRONMENTAL SCIENCE (MSCES)

(Environmental Physics and Chemistry)

1st/2nd Semester Examination, Session December 2024

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 effect of temperature on plants and animals in detail.
2. Explain topography relief and their role in ecosystem.
3. Define mountain and discuss the classification of mountain in detail.
4. Explain photochemical smog and its formation in the atmosphere.
5. What are the harmful effects of nitrogen and sulphur oxides ? Discuss 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. Discuss the effects of light on plants.
2. Discuss the impact of fire on biological properties of soil.
3. Explain different composition of atmosphere.
4. What is the difference between natural and synthetic food colorants ?

5. What are the physical characteristics of water ? Describe
6. Explain filtration, ultrafiltration and redox potential.
7. Briefly explain different horizons of soil with the help of a well labelled diagram.
8. What are the different types of food additives ? Explain
