

A-566

Total Pages : 3

Roll No.

ENS-501/EVS-501

ENVIRONMENT AND ECOLOGY

M.Sc. Environmental Science (MSCES)

1st 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 ecosystem ? Explain grassland ecosystem in detail.

A-566/ENS-501 (1)
/EVS-501

P.T.O.

2. Write in brief about the green house gases. Explain the effect of global warming on earth with special reference to Himalayan region.
3. What is biosphere ? Explain the structure and composition of biosphere.
4. What are environmental factors ? Describe climatic factors in detail.
5. Describe various biogeochemical cycle occurring in nature.

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 ecological pyramids ? Explain the relevance of pyramid of number in an ecosystem.
2. What are Biomes ? Discuss the different types of Biomes.
3. What is edaphic factor ? Describe various edaphic factors.
4. Write short notes on productivity.
5. Describe various factors involve in weathering of rocks.

6. What are the major components of earth environment ?
Discuss in detail.
7. What is the basic concept of environment protection ?
8. What do you mean by sustainability ? Discuss the basic
concept of sustainability.
