

**A-0854**

Total Pages : 3

Roll No. ....

**ENS-501/EVS-501**

**ENVIRONMENT AND ECOLOGY**

**(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. What are physical and environmental factors? Describe in detail.
2. Describe the importance of nutrient cycling in forest stability.
3. What is ecosystem and explain desert ecosystem in detail.
4. Why energy level goes down in each trophic level in energy flow? Describe the flow of energy in forest ecosystem.
5. What are the population growth structures? Describe 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. Write short notes on ozone layer depletion.
2. Explain in sustainable development.
3. What is ecology? Describe its importance and scope.
4. What are different component of ecosystem?
5. What is biomass? Describe different types of biomass.
6. Write a note an global warming.

7. Write short notes on lithosphere.
8. Differentiate between pyramid of number and pyramid of biomass.

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