

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025**

(CBCSS - PG)

(Regular/Supplementary/Improvement)

**CC19PESC1C01 - FUNDAMENTALS OF ECOLOGY AND ENVIRONMENT**

(Environmental Science)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

**Part-A**Answer any ***four*** questions. Each question carries 2 weightage.

1. Role and significance of Environmental Science.
2. Explain the term Autecology.
3. What is meant by Water table?
4. Define Vadose zone.
5. Differentiate between Absolute and Relative humidity.
6. Define saturated zone of soil.
7. Write down a detailed note on terrestrial carbon cycle.

**(4 × 2 = 8 Weightage)****Part-B**Answer any ***four*** questions. Each question carries 3 weightage.

8. Write a short note on need of environmental awareness.
9. Why stratosphere is important for sustaining life on earth?
10. Explain the main topographic factors.
11. How climatic factors are connected with weather pattern of a region?
12. Define Net primary productivity.
13. Explain Malthus theory.
14. Explain ecological dominance.

**(4 × 3 = 12 Weightage)**

### **Part-C**

Answer any ***two*** questions. Each question carries 5 weightage.

15. Components of Environment.
16. Write notes on intra specific interactions.
17. Explain the characteristics of Ecosystem.
18. Processes involved in succession.

**( $2 \times 5 = 10$  Weightage)**

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