

**23P429**

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Name : .....

Reg. No : .....

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025**

(CBCSS-PG)

(Regular/Supplementary/Improvement)

**CC19P BOT4 E01 - ENVIRONMENTAL BIOLOGY AND BIODIVERSITY CONSERVATION**

(Botany)

(2019 Admission onwards)

Time: 3 Hours

Maximum: 30 Weightage

**Part-A**

Answer any *four* questions. Each question carries 2 weightage.

1. Explain optimum density in population ecology.
2. Discuss disaster response.
3. Explain forest biomes under pressure.
4. Explain climate change mitigation.
5. Mention the features of shola forest.
6. Discuss contributions of Mahatma Gandhi in ecology.
7. Define hotspots.

**(4 × 2 = 8 Weightage)**

**Part-B**

Answer any *four* questions. Each question carries 3 weightage.

8. Population explosion effect carrying capacity. Justify.
9. Describe Stockholm conference (1972) on biodiversity.
10. Describe the steps of ecosystem restoration.
11. Discuss marine fisheries decline.
12. List out importance of wetland ecosystem.
13. Explain conservation ethics.
14. Citing suitable examples, describe peoples movements for biodiversity conservation.

**(4 × 3 = 12 Weightage)**

**Part-C**

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

15. Discuss types of population interaction between two species.
16. Discuss causes, effects and solutions of acid rain and greenhouse effect.

17. Discuss EPA.
18. Explain role of virtual libraries and databases in biodiversity information management and communication.  
**(2 × 5 = 10 Weightage)**

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