

21P431

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Name:

Reg.No:

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2023

(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 types of interaction between two species.
2. Discuss Johannesburg (2002) global initiative.
3. Discuss disaster response.
4. Explain climate change mitigation.
5. List out the features of grasslands.
6. Explain Water Act (1974).
7. Compare exsitu and insitu conservation

(4 × 2 = 8 Weightage)

Part-B

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

8. Explain Allee principle and its effects on biological populations
9. Explain the ecosystem restoration process.
10. Explain forest and Marine ecosystems under pressure.
11. Explain acid rain.
12. List out the importance of mangrove 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. Explain human population expansion its causes and consequences.

16. Explain the causes of Marine fisheries decline. Add a note on Loss of biological diversity and excess nitrogen.
17. Explain different thoughts on ecology by eminent personalities.
18. Explain the role of virtual libraries and databases in biodiversity information management and communication.

(2 × 5 = 10 Weightage)
