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Name:

Reg.No:

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2024

(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. Discuss r and k selection.
2. Explain disaster preparedness.
3. Explain Marine ecosystems under pressure.
4. Explain climate change mitigation.
5. Discuss Ramsar sites in Kerala.
6. Explain Water Act (1974).
7. Explain the role of virtual libraries.

(4 × 2 = 8 Weightage)

Part-B

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

8. Discuss Cairo conference (1994).
9. Explain the global initiative Stockholm (2011).
10. Explain the ecosystem restoration process.
11. Explain greenhouse gases.
12. Mention the features of evergreen and deciduous forests in Kerala.
13. Describe the principles of deep ecology.
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 types of population interaction between two species. Add a note on ecological niche and guild.
16. Discuss the causes of fresh water degradation and its consequences.
17. Discuss thoughts on ecology by Buddha, and Rabindranatha Tagore and Mahatma Gandhi
18. Make a note on biodiversity.

(2 × 5 = 10 Weightage)
