

20P428

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Name:

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P BOT4 E01 - ENVIRONMENTAL BIOLOGY AND BIODIVERSITY CONSERVATION

(Botany - Elective Course)

(2019 Admission onwards)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* questions:

1. Explain Coevolution
2. Elaborate Ecological niche and guild
3. Write note on Ramsar sites
4. Distinguish between Conservation, Preservation and Restoration
5. Write note on Kyoto protocol
6. Explain the Crude density and Ecological density
7. Elaborate the contributions of Edward O Wilson

(4 × 2 = 8 Weightage)

II. Answer any *four* questions:

8. Explain the Allee effect and r and K selection
9. Explain Desertification and how it can be managed
10. Elaborate the positive and negative interactions in a community
11. Elaborate Cybernetics and Ecological footprint
12. Explain the Human Population dynamics and Expansion
13. Elaborate the Forest types of Kerala
14. Elaborate on the Biodiversity databases

(4 × 3 = 12 Weightage)

III. Answer any *two* questions:

15. Write an essay on the Major global environmental challenges
16. Write an essay on the Global initiatives on Environmental conservation
17. Elaborate the Properties of a Population and patterns of dispersion
18. Write an essay on the Biomes and Ecosystems under pressure

(2 × 5 = 10 Weightage)
