

18P426

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Name.....

Reg. No.....

FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCSS - PG)

(Regular/Improvement/Supplementary)

**CC15P BO4 E13 / CC18P BO4 E13 – ENVIRONMENTAL BIOLOGY &
BIODIVERSITY CONSERVATION**

(Botany)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

I. Answer *all* questions briefly:

1. What is Carrying capacity?
2. Write notes on Competition and Coexistence
3. Explain Ozone depletion.
4. Write notes on Ramsar convention
5. Comment on contributions of Vandana Shiva.
6. What is genetic diversity?
7. Explain Biomes and its distribution?
8. Explain traditional conservation practices with examples.
9. Write a note on current Human population growth and expansion.
10. What is IPR?
11. Write notes in Biodiversity databases and virtual libraries.
12. What is Cybernetics?
13. Enumerate the major Forest types in Kerala.
14. Explain the Ecological foot print.

(14 x 1 = 14 Weightage)

II. Answer any *seven* questions each in not more than 100 words:

15. How the Land use affect the degradation of ecosystems?
16. Explain Ecological Niche and Guild with examples.
17. Explain Allee principle and its effect of biological population
18. Explain the Environmental Protection Act and Rules (1986)
19. Explain the causes of marine fisheries decline
20. What are the ecological services of Wetlands and Mangroves?
21. Enumerate the major Indian contributions in ecological thought
22. Write a note on Cairo conference (1994).

23. Elaborate the Agro-biodiversity and its significance and conservation

24. Explain how to manage a flood disaster

(7 x 2 = 14 Weightage)

III. Answer any *two* questions in 300 words:

25. Explain the terms Biodiversity, types, lose and conservation.

26. Elaborate the major Global environmental challenges and its management strategies.

27. Elaborate Peoples movement, NGOs and Educational institutions in biodiversity conservation.

28. Write an essay on climate change and its impact. Explain the vital signs from the planet.

(2 x 4 = 8 Weightage)
