

**17P433**

(Pages: 2)

Name.....

Reg. No.....

**FOURTH SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2019**

(CUCSS - PG)

(Botany)

**CC15P BO4 E13 – ENVIRONMENTAL BIOLOGY AND BIODIVERSITY**

**CONSERVATION**

(Regular/Improvement/Supplementary)

(2015 Admission onwards)

Time: Three Hours

Maximum: 36 Weightage

**Part A**

Answer *all* questions. Each question carries 1 weightage.

1. Explain carrying capacity.
2. What is ecological foot print?
3. Write a note on Cairo conference.
4. Describe Gaia hypothesis.
5. Explain virtual libraries.
6. Explain Biodiversity Act.
7. Describe the ecological thoughts of Vandana Siva.
8. Note on Ecotourism.
9. Explain coevolution with examples.
10. Describe *Upavana vinoda*.
11. Expand and explain IPR.
12. Explain ecological niche and guild.
13. Describe the types of Disaster management
14. What is cybernetics?

**(14 x 1 = 14 Weightage)**

**Part B**

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

15. Differentiate between r and K selection.
16. Write a note on the positive and negative interactions.
17. Describe human population expansion and its causes.
18. Explain the climatic change and its impacts.
19. Briefly describe the principles of deep ecology.
20. Explain the causes, effects and solutions of acid rain.
21. Explain the Global initiative - Stockholm (2011).

22. Describe the Allee principle of aggregation and refuging.
23. Explain the role of NGOs in biodiversity conservation.
24. Write a note on wetlands.

**(7 x 2 = 14 Weightage)**

**Part C**

Answer any *two* questions. Each question carries 4 weightage.

25. Write an essay on characteristics of population. What are the ecological consequences of overpopulation?
26. Write an essay on the forest types of Kerala.
27. Write an essay on community ecology.
28. Write an essay on the major threats of biodiversity and methods to overcome the threats for the better preservation of biodiversity.

**(2 x 4 = 8 Weightage)**

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