

**20P231**

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Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2021**

(CUCSS - PG)

(Regular/Supplementary/Improvement)

**CC19P BOT2 C08 - PLANT ECOLOGY, CONSERVATION BIOLOGY,  
PHYTOGEOGRAPHY AND FOREST BOTANY**

(Botany)

(2019 Admission onwards)

Time: Three Hours

Maximum:30 Weightage

I. Answer any four questions. Each question carries 2 weightage.

1. Explain Biotic potential and Carrying capacity.
2. Explain Green house effect and Ozone depletion.
3. Define different Red list categories with examples.
4. Elaborate Gene banks and Cryopreservation.
5. Explain the role of government and NGOs in Environmental awareness.
6. Explain Age and area hypothesis.
7. Explain Phytochoria of India.

**(4 × 2 = 8 Weightage)**

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

8. Elaborate the process of Environmental Impact Assessment.
9. What is Energy flow? how it is related to Primary productivity.
10. Explain Environmental hazards and its management.
11. Elaborate United Nations Environment Programme.
12. Explain the Theory of land bridges, and Theory of glaciation.
13. What is endemism? Explain Neoendemic, Paleoendemic species with examples.
14. Elaborate the sustainable utilization of Bioresources.

**(4 × 3 = 12 Weightage)**

III. Answer any *two* questions. Each question carries 5 weightage.

15. Explain the *in situ* and *ex situ* conservation methods with examples.
16. Enumerate the Types of forests in India and the consequence of Deforestation.
17. Elaborate Patterns of plant distribution in the world with suitable examples.
18. Elaborate the Population characteristics of plant communities

**(2 × 5 = 10 Weightage)**

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