

D 102124

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Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2024**

(CBCSS)

Botany

**BOT 2C 06—PLANT ECOLOGY, CONSERVATION BIOLOGY, PHYTOGEOGRAPHY
AND FOREST BOTANY**

(2019 Admission onwards)

Time : Three Hours

Maximum : 30 Weightage

Part A

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

1. Define the Red Data Book.
2. What is Theory of glaciation ?
3. How can the loss of one species lead to the extinction of another ?
4. What is Cryopreservation ?
5. What is Neoendemic ?
6. What is Limnology ? State the importance with example.
7. What is circumpolar distribution ?

(4 × 2 = 8 weightage)

Part B

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

8. Explain *In situ* and *ex situ* conservation with suitable examples.
9. What are the consequence of deforestation and industrialization ?
10. Give detailed note on types of environmental pollution.
11. Describe the botanical zones of India ?

Turn over

12. Define sacred groves. What is their role in the conservation of biodiversity ?
13. Explain Remote sensing.
14. Explain theory of continental drift.

(4 × 3 = 12 weightage)

Part C

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

15. Explain :
 - a) Biosphere reserve ;
 - b) National Park ;
 - c) Wild life sanctuaries ; and
 - d) GenBank.
16. Explain the various types of forest in the world and in India.
17. Explain the following :
 - a) Continuous plant distribution ; and
 - b) Major and minor forest products of Kerala.
18. Give the Importance of International Biological Programme and Man and Biosphere programme.

(2 × 5 = 10 weightage)