

C 42742

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Name.....

Reg. No.....

**SECOND SEMESTER M.Sc. DEGREE (REGULAR/SUPPLEMENTARY)
EXAMINATION, APRIL 2023**

(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. What is Ecological Niche ?
2. Comment on ozone depletion.
3. What is green house effect ?
4. Explain hotspots of Biodiversity.
5. List out minor forest products in Kerala.
6. Expand ICAR, B.S.I.
7. What is keystone species ?

(4 × 2 = 8 weightage)

Part B

Answer any four questions.

Each question carries 3 weightage.

8. How can the loss of biodiversity be prevented ?
9. Describe various type of forest in India with example.
10. What is the difference between neoendemic and paleoendemic distributions ?
11. Explain continuous plant distribution.

Turn over

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12. Differentiate between social forestry and agro forestry?
13. Explain in detail Green Revolution.
14. Comment on El-Nino and La-Ninae effect.

(4 × 3 = 12 weight)

Part C

Answer any two questions.

Each question carries 5 weightage.

15. Explain the phytochoria of world and India.
16. What are the importance and methods of conservation of Biodiversity?
17. Explain energy flow and productivity concept in ecosystem, Detail the energy flow models ecosystems?
18. Write a note on major consequence of deforestation and industrialization and imper sustainable utilization of bio resource.

(2 × 5 = 10 weight)