

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

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 weightage)

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 in plant ecosystems ?
18. Write a note on major consequence of deforestation and industrialization and importance of sustainable utilization of bio resource.

(2 × 5 = 10 weightage)