

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2023
(Regular/Improvement/Supplementary)

BOTANY

FBOT2C06: ENVIRONMENTAL BIOLOGY, PHYTOGEOGRAPHY AND FOREST BOTANY

Time: 3 Hours

Maximum Weightage: 30

Part A: Answer any *four* questions. Each carries 2 weightage.

1. Define Net Primary Productivity.
2. Comment on El- Nino.
3. Name any two cryoprotectants.
4. What is MAB? Explain.
5. Write a short note on Endemics.
6. Explain glaciation theory.
7. What are Mangroves?

(4 × 2 = 8 weightage)

Part B: Answer any *four* questions. Each carries 3 weightage.

8. Explain Green house effect.
9. Comment on wet land ecosystem.
10. Write down the positive impacts of ecotourism.
11. Differentiate between keystone and flagship species.
12. Describe Continental drift theory.
13. List out the consequences of deforestation.
14. Comment on forest types of India.

(4 × 3 = 12 weightage)

Part C: Answer any *two* questions. Each carries 5 weightage.

15. Write an essay on *In-situ* and *Ex-situ* conservation measures.
16. Describe the methods to control water pollution with emphasis on biological methods.
17. Write a detailed note on vegetation zones of the world.
18. Explain the major and minor forest products of India.

(2 × 5 = 10 weightage)