

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022  
(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 Ecotone and Edge effect.
2. Describe the methods of conservation of forest.
3. What is Endemism?
4. Comment on MAB programme.
5. Write the binomial of any four timber yielding plants from Kerala.
6. What is *in situ* and *ex situ* conservation?
7. Differentiate between keystone species and flagship species.

(4 × 2 = 8 weightage)

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

8. Write a note on positive and negative impacts of ecotourism.
9. Comment on continental drift theory.
10. Describe the consequences of deforestation.
11. Explain EIA.
12. Describe the primary productivity in aquatic ecosystem.
13. Comment on pattern of plant distribution.
14. Write a note on minor and major forest products of Kerala.

(4 × 3 = 12 weightage)

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

15. Write an essay on water pollution and its effects on living organism.
16. Describe the vegetational zones of India.
17. Write a detailed account on forest types of India.
18. Elaborate on the strategies for conservation of natural resources.

(2 × 5 = 10 weightage)