

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2026

(Regular/Improvement/Supplementary)

BOTANY

GBOT6B13T: ENVIRONMENTAL SCIENCE

Time: 2 Hours

Maximum Marks: 60

**SECTION A: Answer the following questions. Each carries two marks.
(Ceiling 20 marks)**

1. Comment on Phytograph.
2. Name any organization involved in biodiversity conservation and its objectives.
3. What are savannahs?
4. Comment on Flagship species.
5. Explain the features of Estuarine ecosystem.
6. What are the major adaptations of halophytes?
7. Comment on GPP & NPP
8. Give a brief account on acid rain.
9. What are Biodiversity hotspots?
10. Comment on BOD.
11. Suggest ways to manage E-wastes.
12. Give an example for inverted ecological pyramid.

**SECTION B: Answer the following questions. Each carries five marks.
(Ceiling 30 marks)**

13. Write a note on endangered and endemic plant species in India.
14. Discuss the salient features of Forest ecosystem.
15. What is water pollution? What are the causes, effects and control measures of water pollution?
16. Briefly explain the major threats to Biodiversity.
17. Write a short note on the techniques in plant community studies.
18. Describe the energy flow in the ecosystem with example.
19. Discuss in detail the environmental legislations in India.

SECTION C: Answer any one question. The question carries ten marks.

20. Write an essay on the importance of biodiversity and its conservation strategies.
21. What is ecological succession? Describe various types of succession and the mechanisms which lead to succession with special reference to Xerosere.

(1 × 10 = 10 Marks)