

**SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, APRIL 2025**

**(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. Climax community is generally mesophytic. Justify the statement.
2. What is Red data book?
3. List any two methods to determine the minimum desirable size of the quadrats.
4. Write names of any two partial parasites.
5. Write a note on WWF.
6. What is CFC?
7. Write any two examples for Biodiversity centers in India.
8. What are consumers? Mention their roles in ecosystems.
9. Write a note on GFC.
10. List any two devices used to control particulate air pollutants.
11. Differentiate between point and non-point sources of water pollution.
12. Define acid rain.

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

13. Describe a) Endangered species b) endemic species.
14. Explain the sources effects and control measures of noise pollution.
15. Describe a) importance value index b) construction of phytographs.
16. Discuss El Niño and its effects.
17. Describe Nitrogen cycle.
18. Give an account on adaptations of xerophytes.
19. Elaborate on transect methods used in plant community studies.

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

20. Write an essay on *in situ* methods of conservation. Mention the advantages and disadvantages.
21. Write an essay on major ecosystems in biosphere.

**(1 x 10 = 10 Marks)**