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Reg. No. : .....

Name : .....

**Second Semester B.Sc. Degree Examination, August 2024**

**Career Related First Degree Programme under CBCSS**

**Botany and Biotechnology**

**Core Course**

**BB 1241 : ENVIRONMENTAL STUDIES**

**(2023 Admission)**

Time : 3 Hours

Max. Marks : 80

**SECTION – A**

Answer all the questions in a word or one or two sentences. Each question carries 1 mark.

1. What is an ecosystem?
2. Define a landslide.
3. What is social forestry?
4. What is a food web?
5. Give two examples for natural hazards.
6. Define thermal pollution.
7. What is alpha diversity?
8. List any two causes of salinity.
9. What is biogeography?
10. Define eutrophication.

**(10 × 1 = 10 Marks)**

P.T.O.



## SECTION – B

Answer any **eight** questions. Each question carries **2** marks. (Answer not to exceed **one** paragraph).

11. What is global warming?
12. Discuss the significance of mangrove vegetation.
13. What are the causes of flood?
14. List the features of a grassland ecosystem.
15. What are the adverse effects of forest fire?
16. What is an ecotype?
17. Discuss the environmental effects of extracting mineral resources.
18. What is an ecological pyramid?
19. Expand and explain CITES.
20. What is deforestation? How it affects our environment?
21. Discuss on Hotspots of biodiversity with examples.
22. What are the types of solid waste?

(8 × 2 = 16 Marks)

## SECTION – C

Answer any **six** questions. Each question carries **4** marks. (Answer not to exceed **120** words).

23. What are Ramsar Sites? What is its importance?
24. Discuss the impact of excess use of fertilizers on environment.
25. What are halophytes? Mention their adaptations.
26. What are industrial hazards? Give examples.
27. Brief a note on Wildlife Protection Act.

28. List the factors that lead to land degradation.
29. Discuss on *ex-situ* conservation of biodiversity.
30. Explain the application of GIS in environmental management.
31. What is a National park? Discuss its role in conserving biodiversity.

(6 × 4 = 24 Marks)

#### SECTION – D

Answer any two questions. Each question carries 15 marks. (Answer not to exceed three pages).

32. Discuss on effective strategies for disaster recovery and rebuilding communities.
33. What is air pollution? Discuss its causes, effects and control measures.
34. Give a detailed account on renewable and non-renewable resources.
35. What is biodiversity? Discuss on major threats to biodiversity.

(2 × 15 = 30 Marks)

