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Reg. No. :

Name :

Fifth Semester B.Sc. Degree Examination, December 2022

First Degree Programme under CBCSS

Botany

Core Course

BO 1542 : ENVIRONMENTAL STUDIES AND PHYTOGEOGRAPHY

(2019 Admission Onwards)

Time : 3 Hours

Max. Marks : 80

(Draw diagrams wherever necessary)

SECTION – A

I. Answer **all** questions in a word or sentence. Each question carries **1** mark.

Write short notes on

1. Natural resource.
2. Leaching.
3. 10% law.
4. KSBB.
5. Stockholm Conference.
6. Expand IPCC.

P.T.O.

7. Central Pollution Control Board.
8. DFC.
9. ODS (in ecology).
10. Continental drift.

(10 × 1 = 10 Marks)

SECTION – B

- II. Answer any **eight** of the following in a paragraph. Each question carries **2** marks.
11. Distinguish between renewable and non renewable resources.
 12. Write a note on desertification.
 13. Distinguish between food chains and food web.
 14. What do you mean by pyramid of numbers?
 15. Write a note on lentic ecosystems.
 16. Distinguish between perfect and imperfect cycles.
 17. What do you mean by Shannon index?
 18. Write a note on Ramsar sites.
 19. Write the causes of noise pollution.
 20. What are biodiversity hot-spots?
 21. Briefly describe E-waste management.
 22. What do you mean by UNEP?
 23. Write a note on Environment protection Act.
 24. What do you mean by biological disaster?

25. Write the causes of Acid rain.
26. Distinguish between continuous and discontinuous distribution.

(8 × 2 = 16 Marks)

SECTION – C

III. Answer any **six** of the following. Each question carries **4** marks.

27. Give an account of Soil and land resources and their importance.
28. Give a description of renewable and non renewable energy resources.
29. Describe the carbon cycle.
30. Explain how Halophytes adapt to their environments morphologically, physiologically, and anatomically.
31. Briefly describe characteristic features, structure and functions of marine ecosystem.
32. Describe how biodiversity is threatened in various ways.
33. Describe the important global initiatives to conserve biodiversity.
34. Discuss the various threats to biodiversity.
35. Define thermal pollution and describe its causes, impacts, and mitigation strategies.
36. Provide a description of the sources and management methods of solid waste.
37. Discuss the causes and effects of ozone layer depletion.
38. Briefly describe the different types of forests found in India.

(6 × 4 = 24 Marks)

SECTION – D

- IV. Answer any **two** questions. **Each** question carries **15** marks.
39. Write an essay on the degradation of natural resources and measures taken to conserve them.
 40. Explain the process of ecological succession with special reference to hydrosere.
 41. Write an essay on various in situ and ex situ methods of biodiversity conservation.
 42. Explain causes, effects and control measures of air pollution.
 43. Describe the different stages of disaster management.
 44. Write an essay on phytogeographical regions of India.

(2 × 15 = 30 Marks)
