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T – 3432

Reg. No. :

Name :

Second Semester B.Sc. Degree Examination, August 2024

Career Related First Degree Programme under CBCSS

Group 2(a) Botany and Biotechnology

Core Course

BB 1241 : ENVIRONMENTAL STUDIES

(2019–2022 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 GIS?
2. Expand CITES.
3. Define habitat.
4. What is DNA bank?
5. List any one anatomical adaptation of epiphytes.
6. Write the importance of Deccan plateau.
7. What is montane forest?
8. Define primary succession.
9. Give any two examples for ecological indicators.
10. Define an aerenchyma.

(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 are the causes of earthquake?
12. Give note on WWF.
13. What is meant by green building?
14. Comment on sustainable development.
15. Discuss the characteristics of a community.
16. What is food chain?
17. Explain participatory resource management.
18. What are primary consumers?
19. What is meant by Trophic Cascade?
20. List the effects of noise pollution.
21. What is pyramid of biomass?
22. Explain the structure of detrital food web.

(8 × 2 = 16 Marks)

SECTION – C

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

23. What is remote sensing? Explain its applications in ecosystem monitoring.
24. Write a short note on hazards. Discuss its types.
25. Explain the effects and control measures of air pollution.



26. Give note on Air [prevention and control of pollution] Act.
27. Explain environmental effects of extracting minerals.
28. What is *in situ* conservation? Give examples.
29. Discuss the morphological and anatomical adaptations of Xerophytes.
30. Define biodiversity. Explain its values.
31. Discuss the ecological significance of Western Ghats.

(6 × 4 = 24 Marks)

SECTION – D

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

32. Discuss the principles of biogeography and vegetation types of India.
33. Explain the principle and methods for solid waste management.
34. Discuss the characteristic features, structure and functions of an ecosystem.
35. What are Ramsar Sites? Discuss the ecological significance of Ramsar sites in Kerala.

(2 × 15 = 30 Marks)

