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Reg. No. :

Name :

Second Semester B.Sc. Degree Examination, September 2023

Career Related First Degree Programme under CBCSS

Botany and Biotechnology

BB 1241 : ENVIRONMENTAL STUDIES

(2019 Admission Onwards)

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 are sand dunes?
2. Name two renewable resources.
3. Write the functions of an ecosystem.
4. Expand CITES.
5. What is a food web?
6. List the features of an estuary.
7. Name two natural hazards.
8. What is an ecotype?
9. Define alpha diversity.
10. What is a landslide?

(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. Explain the anatomical adaptations of epiphytes.
12. What is a scrub jungle?
13. How does water logging create problems of salinity?
14. Explain Forest Conservation Act.
15. Discuss the significance of mangrove forests.
16. What is soil erosion? What is its impact?
17. Comment on alternate energy sources.
18. What are the features of green management techniques?
19. List the consequences of soil pollution.
20. Discuss the cause and effects of forest fires.
21. How soil gets polluted?
22. What are ecological indicators? Give examples.

(8 × 2 = 16 Marks)

SECTION – C

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

23. What is thermal pollution? What are its hazardous effects?
24. Write a brief account on ecological pyramids.
25. What is remote sensing? What are its applications?

26. Explain the threats to biodiversity.
27. What are hazards? Brief a note on various types of hazards.
28. Comment on solid waste management.
29. Distinguish between renewable and non renewable energy resources.
30. Discuss the role of TRAFFIC in biodiversity conservation.
31. Mention various methods of water conservation.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. **Each** question carries **15** marks. (Answer not to exceed **3** pages)

32. Discuss land as a resource. Add an account on man made disasters on land.
33. Describe in detail the phytogeographical regions of India.
34. Discuss various *ex situ* and *in situ* methods for biodiversity conservation.
35. Give a detailed account on air pollution, its causes, effects and control measures.

(2 × 15 = 30 Marks)