

(Pages : 3)

R – 3332

Reg. No. :

Name :

Second Semester B.Sc. Degree Examination, September 2023

Career Related First Degree Programme under CBCSS

Botany and Biotechnology / Biotechnology (Multimajor)

BB 1241 / BV 1241.1 : ENVIRONMENTAL STUDIES

(2015–2018 Admissions)

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. Give any two examples for non-renewable natural resources.
2. What are the major mineral resources?
3. Define Ecological succession.
4. What is a food web?
5. Comment on Biodiversity hotspots.
6. Expand CFC.
7. Define noise pollution.
8. What is acid rain?

P.T.O.

9. Give note on Chipko movement.
10. Comment on Shola forest.

(10 × 1 = 10 Marks)

SECTION – B

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

11. What are the major features of rain forests?
12. Which are the major mangrove species seen in Kerala?
13. What is meant by 'Global warming'?
14. Comment on Water shed management
15. What are the causes of air pollution?
16. What is an ecological niche?
17. Discuss the consequences of habitat loss
18. Define ecosystem diversity.
19. What are estuaries?
20. Give the anatomical features of Hydrophytes.
21. What are the components of an ecosystem?
22. What are the consequences of flood?

(8 × 2 = 16 Marks)

SECTION – C

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

23. Detail the causes and consequences of deforestation.
24. Write a short account on biomagnification.

25. Give a short note on alternate energy sources.
26. Discuss about environmental conservation movements in India.
27. What is lithosere? Give a detailed account.
28. Write a short note on Ecological pyramids.
29. Briefly explain bio-geographical zones of India.
30. Discuss a detailed note on National parks and wild life sanctuaries.
31. What are the causes and consequences of marine Pollution?

(6 × 4 = 24 Marks)

SECTION – D

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

32. Give a detail account on Environment Protection Acts and its scope.
33. Write an essay on the major vegetation types seen in India.
34. Describe the basic features of an ecosystem. Write an essay on the structure, component and types of ecosystems with suitable examples.
35. Define Pollution. What are the major types of pollution? Describe in detail the causes, consequences and control measures.

(2 × 15 = 30 Marks)