

(Pages : 3)

M – 2592

Reg. No. :

Name :

Second Semester B.Sc. Degree Examination, December 2021

Career Related First Degree Programme under CBCSS

Group 2(a) – Botany and Biotechnology

BB 1241 : ENVIRONMENTAL STUDIES

(2020 Admission Regular)

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.

Define the following

1. What is an ecosystem?
2. Define pollution.
3. What are epiphytes?
4. Define consumers.
5. What is a disaster?
6. What is biogeography?
7. Define an ecological niche.
8. What is autecology?
9. List any two cause for acid rain.
10. What are edaphic factors?

(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. Write notes on ecological pyramids.
12. Comment on green building concept.
13. Explain sustainable development.
14. Mention the role of CITES.
15. Give a brief account on social forestry.
16. What is food web?
17. Mention the adverse effects of modern agriculture.
18. What are biosphere reserves? Give example.
19. Give a brief account on noise pollution.
20. What is meant by participatory forest management?
21. Distinguish between renewable and non renewable resources.
22. Mention various methods of water conservation.
23. What is meant by desertification?
24. Explain green house effect.
25. What is a mega diversity nation?
26. Comment on ex situ conservation.

(8 × 2 = 16 Marks)

SECTION – C

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

27. What are hydrophytes? Mention their adaptations.
28. Explain Forest Conservation Act.
29. Give an account on Ramsar wetland sites.

30. Explain the applications of GIS in environmental management.
31. Discuss the causes of deterioration of land resources.
32. Write an account on soil erosion.
33. Give a brief account on grass land ecosystems.
34. Write an account on invasive species.
35. Give an account on ecological succession.
36. Explain the causes of water pollution.
37. What are wildlife sanctuaries? Mention their role.
38. Explain the features of a scrub jungle.

(6 × 4 = 24 Marks)

SECTION – D

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

39. What are natural resources? Give a detailed account on energy resources.
40. Write a detailed account on Biodiversity, its type, values and methods of conservation.
41. Describe the structure of an ecosystem. Add a detailed account on different type of aquatic ecosystems.
42. Write an essay on air pollution its causes, effects and control measures.
43. Give an account on phytogeography and Phytogeographical regions in India.
44. What are Xerophytes? Give an account on their salient features.

(2 × 15 = 30 Marks)