

Reg. No. :

Name :

Second Semester B.Sc. Degree Examination, September 2022

Career Related First Degree Programme Under CBCSS

Group 2(a) – Biochemistry and Industrial Microbiology

Core Course I

IM 1241: ENVIRONMENTAL STUDIES

(2020 Admission onwards)

Time : 3 Hours

Max. Marks : 80

SECTION - A

Answer **all** questions. Answer in a word to a maximum of two sentences. Each question carries **1** mark.

1. What is hydrologic cycle?
2. Name two greenhouse gases.
3. Name one important biodiversity hotspot in India
4. What is bio magnification?
5. What is green house effect?
6. What is decibel?
7. Name the act to protect wild life.
8. What is a red data book?
9. What prevents harmful u v rays from reaching the earth?
10. What is the cause of acid rain?

(10 × 1 = 10 Marks)

P.T.O.

SECTION – B

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

11. What are natural resources? Name the two types of natural resources with examples.
12. Write a note on endemic species.
13. Make a note on solar cells.
14. What is a grazing food chain?
15. What are ecological pyramids? Name them.
16. What is oil pollution? Explain.
17. Make a note on conservation of forests.
18. What is soil erosion? How is it caused?
19. What is CFC? What is its harmful effect?
20. List any four uses of rain water harvesting.
21. Write a brief note on family welfare program.
22. What is a red data book?
23. What is ecological succession?
24. Write a brief note on nuclear hazards.
25. What is consumerism?
26. What is value education?

(8 × 2 = 16 Marks)

SECTION – C

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

27. Explain the characteristic features of grassland ecosystem. Discuss the components of forest ecosystem.
28. Describe the components of forest ecosystem.
29. Discuss the causes of air pollution.
30. Describe the non-renewable energy sources.

31. Describe any four methods of solid waste management.
32. What is a disaster? Explain disaster management.
33. What are the waste products of consumerism? Make a note on control of consumerism waste products.
34. What is AIDS? How is it transmitted?
35. List the steps to be taken for child welfare.
36. Discuss fertilizer-pesticide problems in modern agriculture
37. Explain in-situ conservation of biodiversity.
38. Discuss the causes and impacts of climate change.

(6 × 4 = 24 Marks)

SECTION – D

Answer any **two** questions. Each question carries **15** marks.

39. Discuss the different threats to biodiversity.
40. Describe the effects of radiation pollution. How is it controlled?
41. Explain the causes, effects and control measures of water pollution.
42. Discuss the importance of information technology on environmental education and human health.
43. Offer your comments on women empowerment and child welfare.
44. Discuss food resources and associated problems.

(2 × 15 = 30 Marks)