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Second Semester B.Sc./B.C.A. Degree Examination, December 2021

Career Related First Degree Programme under CBCSS

Group 2(b)–Computer Science/Computer Applications

Foundation Course/Core Course

CS 1221/CP 1241: ENVIRONMENTAL STUDIES

(2020 Admission Regular)

Time : 3 Hours

Max. Marks : 80

SECTION – A

(Very Short Answer type)

(One word to maximum of two sentences, Answer all questions)

1. Define environment
2. What are abiotic resources?
3. Define biodiversity.
4. What is the meaning of extinct species?
5. What is environmental pollution?
6. Name the sources of air pollution.
7. What is an acid rain?

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8. What are the natural factors for floods?
9. Define population.
10. Define fire.

(10 × 1 = 10 Marks)

SECTION – B

(Short Answer)

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

11. What is manmade environment? ✓
12. What are the four categories of environment?
13. What is wind energy? ✓
14. Distinguish between abiotic and biotic substances. ✓
15. Explain the following a) Species diversity b) Ecosystem diversity. ✓
16. Name any five endangered species in India.
17. What is In-Situ conservation? ✓
18. What is the ethical value of biodiversity?
19. What are the various sources of soil pollution?
20. What is ozone depletion? ✓
21. What are the objectives of Water Act -1974?
22. Differentiate between biodegradable wastes and non biodegradable wastes. ✓
23. What are the effects of earthquakes?

24. Classify the various classes of fire.
25. Outline the role of information technology in environment and health. ✍
26. What is food web? ✓

(8 × 2 = 16 Marks)

### SECTION – C

(Short essay)

(Not to exceed 120 words, answer any **six** questions. **Each** question carries **4** marks)

27. What are environmental studies? ✓
28. What are renewable and non renewable resources? Explain with suitable examples. ✓
29. Explain the usefulness of surface and ground water. Discuss their environmental importance.
30. Write a note on genetic diversity. ✓
31. India is one of the meg-diversity countries. Why?
32. Describe the various method of conservation.
33. What are the different types of pollutants?
34. Explain the sources and effect of water pollution. How can we control water pollution? ✓
35. Explain on climate change and global warming. ✓
36. Discuss on cyclone. ✓
- ✓ 37. Describe the effect of environment on the health of human beings.
38. Enumerate on environmental ethics.

(6 × 4 = 24 Marks)



## SECTION – D

(Long essay)

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

39. Explain the multidisciplinary nature of environment studies. ✓
40. Write an essay on different types of forest ecosystem.
41. Write briefly about biosphere reserves, national parks and wildlife sanctuaries in India.
42. Write an essay on types of pollution. ✓
43. Explain a nuclear accident with a case study.
44. Write an essay on Chipko movement and Silent valley movement.

(2 × 15 = 30 Marks)

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