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Second Semester B.Sc./BCA Degree Examination, May 2020

Career Related First Degree Programme Under CBCSS

Group2(b) Computer Science / Computer Applications

CP 1241/CS 1221 : ENVIRONMENTAL STUDIES

(2018 Admission onwards)

Time : 3 Hours

Max. Marks : 80

SECTION – A

(Very Short Answer type)

(One word to maximum **one** sentence. Answer **all** questions. Each question carries 1 mark.)

1. _____ are the producers in the ecosystem.
2. _____ is defined by physicists as the capacity to do work.
3. What is global warming?
4. Define pollution.
5. _____ is the worlds single largest contributor of green house gases.
6. What are food webs?
7. What is biodiversity?

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8. The innermost layer of the atmosphere is called _____.
9. The nuclear reactors use _____ to produce electricity.
10. Name two commonly used biopesticides.

(10 × 1 = 10 Marks)

SECTION – B

(Short Answer)

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

11. Describe the factors to be considered when selecting an appropriate fire detection system.
12. How can desert ecosystems be conserved?
13. Write about the inspection and maintenance of fire extinguishers.
14. What are non-renewable resources?
15. Write about Environment (Protection) Act. What are its objectives?
16. What can individuals do to prevent water pollution?
17. What is the use of automatic sprinkler systems? List the four basic types of automatic sprinkler systems.
18. What is biogas?
19. Write about noise Pollution. Mention noise control techniques.

20. What are hazardous wastes? List the four primary characteristics of hazardous wastes.
21. Write about primary pollutants.
22. What is meant by acid rain?

(8 × 2 = 16 Marks)

SECTION – C

(Short Essay)

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

23. Define ecosystem, Describe the structure and functions of ecosystem.
24. Differentiate between In-situ and Ex-situ conservation of bio diversity. Give examples.
25. What do you mean by 'Greenhouse Effect' ? Give its adverse effects.
26. Discuss two environmental movements.
27. Explain the Concept of producers, consumers and decomposers.
28. Discuss Cyclones and mitigation measures.
29. Discuss the effects of air pollution on living organisms.
30. What are the threats to the forest ecosystem?
31. List the Biogeographic Zones of India.

(6 × 4 = 24 Marks)

SECTION – D

(Long Essay)

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

32. Describe in detail about the energy flow in the ecosystem.
33. What are natural resources? How are they classified? Explain in detail.
34. Discuss the threats to biodiversity.
35. Explain in detail about various types of ecosystems.

(2 × 15 = 30 Marks)