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G – 2689

Reg. No. : .....

Name : .....

Second Semester B.C.A./B.Sc. Degree Examination, May 2019

CAREER RELATED FDP UNDER CBCSS

Group 2(b) – Computer Science/Computer Applications

CP 1241/CS 1221 : ENVIRONMENTAL STUDIES

(2018 Admission)

Time : 3 Hours

Max. Marks : 80

SECTION – A (Very Short Answer Type)

One word to maximum of **one** sentences, Answer **all** questions. Each question carries **1** mark.

1. Define Ecosystem.
2. A \_\_\_\_\_ is a bund constructed of stone and wrapped in galvanized chain link.
3. What is acid rain?
4. \_\_\_\_\_ was the first State in India to regulate the manufacture and use of plastics.
5. What is pollution?
6. Define 'loading' with respect to sprinklers.
7. \_\_\_\_\_ is the primary energy source in our lives.

P.T.O.

8. Who is the father of Nuclear Power development in India?
9. \_\_\_\_\_ is a building block of both plant and animal tissues.
10. \_\_\_\_\_ is the worlds single largest contributor of green house gases.

**(10 × 1 = 10 Marks)**

**SECTION – B (Short Answer)**

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

11. Discuss the role of an individual in the conservation of natural resources.
12. What is soil erosion? How does it affect the food production?
13. Discuss the use of automatic sprinkler system. What are its basic parts?
14. What is In-Situ conservation?
15. From an ecological perspective, how are pollutants classified? Give examples.
16. List the four fundamental noise control techniques.
17. Describe the 3Rs principle in waste management
18. Describe Human development index.
19. Write about the energy cycle.
20. What is aquatic ecosystem?
21. What is biological prospecting?
22. Write notes on Chipko Silent Valley movement.

**(8 × 2 = 16 Marks)**

### SECTION – C (Short Essay)

Not exceeding 120 words, answer any **six** questions. Each question carries **4** marks.

23. Write about Indias Biogeographic Zones.
24. Describe the control measures for air pollution.
25. What are the adverse effects of global warming?
26. Explain Vermi Composting.
27. Describe the mitigation policies and strategies to reduce the effects of cyclones.
28. Write about nuclear holocaust
29. Describe the control measures of urban and industrial wastes.
30. Write about the endemic and endangered species of India.
31. Describe the factors necessary when selecting an appropriate fire detection system.

**(6 × 4 = 24 Marks)**

### SECTION – D (Long Essay)

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

32. Explain in detail about integrated treatment methods in soil and water conservation.
33. Briefly explain the causes of water pollution.
34. What is Biodiversity? Discuss the different levels of biological diversity.
35. Discuss in detail on the structure and functions of an ecosystem.

**(2 × 15 = 30 Marks)**