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Reg. No. :

Name :

Fifth Semester B.Sc. Degree Examination, December 2022

First Degree Programme under CBCSS

Botany

Core Course

BO 1542 : ENVIRONMENTAL STUDIES AND PHYTOGEOGRAPHY

(2014 – 2017 Admission)

Time : 3 Hours

Max. Marks : 80

I. Answer the following questions. All questions carry equal marks.

1. Expansion of UNEP.
2. Cite an example for community forestry programme in India.
3. What is xerosere?
4. Name any four plant genera in mangrove ecosystem.
5. What is the role of WWF in global conservation programmes?
6. Name any four causes of marine pollution.
7. Name any two aquatic plant species.
8. What is the aim of Stockholm conference?

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9. Name the climax community of Hydrosere.
10. What is IUCN?

(10 × 1 = 10 Marks)

II. Answer any **eight** of the following.

11. Give an account on the role of an individual in conservation.
12. Explain the phosphorous cycle.
13. Enumerate the morphological and physiological adaptations in xerophytes.
14. Write down the significance of People Biodiversity Register.
15. Explain the following terms with example.
 - (a) Extinct species.
 - (b) Endangered plants.
16. What is meant by World Heritage Site?
17. Define Biodiversity Hot spot.
18. Enlist any four control measures of Soil Pollution.
19. Explain “3R”s relevance in environmental science.
20. Name any two major nuclear hazards with a brief description.
21. Write down the major impacts of population explosion on environment and resources.
22. Briefly explain the major threats to biodiversity.

(8 × 2 = 16 Marks)

III. Answer any **six** of the following.

23. Describe different types of renewable energy resources.
24. Explain the types of ecological pyramids.
25. Describe the structure and features of river ecosystem.
26. What is *in-situ* conservation? Explain the types.
27. Briefly describe the Chipko Movement.
28. Explain the features of e-waste management.
29. Briefly explain the features in noise pollution.
30. Give an account on rainwater harvesting.
31. Describe the features of mangrove vegetation in India.

(6 × 4 = 24 Marks)

IV. Write essay on any **two** of the following.

32. Environmental legislations are necessary for the environmental protection and biodiversity conservation. Substantiate the statement citing the legislations that you have studied.
33. Explain the causes, effects, and control measures of Air Pollution.
34. Give an account on the phyto-geographical regions of India.
35. Write an account on the structure and function of ecosystem.

(2 × 15 = 30 Marks)