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Fifth Semester B.Sc. Degree Examination, December 2019

First Degree Programme under CBCSS

Botany

Core Course

BO 1542 : ENVIRONMENTAL STUDIES AND PHYTOGEOGRAPHY

(2014 Admission onwards)

Time : 3 Hours Max. Marks : 80

PART – A

Very Short Answer Type

Answer **all** questions : Each question carries **1** mark.

1. Define food web.
2. What is xerosere?
3. Define ecosystem.
4. Name any two national parks in Kerala.
5. Expand IPCC.
6. List out any two renewable resources.
7. What is acid rain?

8. What are sholas?

9. What is red data book?

10. Mention the main theme of Stockholm Conference.

(10 × 1 = 10 Marks)

PART – B

Short Answer

Answer **any eight** questions. Each question carries **2** marks.

11. Explain the role and organization of WWF.

12. List out any four adaptations of hydrophytes.

13. What are Ramsar sites? Give two examples.

14. Comment on the energy flow in ecosystem.

15. What is rain water harvesting? Mention different methods.

16. Comment on endemism.

17. Describe botanical gardens with two examples.

18. Explain soil erosion.

19. Explain the strategies for conservation of energy resources.

20. Comment on any four phytogeographic regions of India.

21. Write a short note on grassland ecosystem.

22. Briefly explain Ozone depletion.

(8 × 2 = 16 Marks)

PART – C

Short Essay

Answer **any six** questions. Each question carries **4** marks.

23. Explain various threats to natural resources.

24. Describe the environmental legislation and laws.

25. Write a note on ecological pyramids.

26. Briefly describe the adaptations of halophytes.

27. Explain different types of aquatic ecosystems.

28. Describe the impacts and control measures of noise pollution.

29. Mention the importance of biodiversity hotspots with examples.

30. Discuss greenhouse effect and global warming.

31. Briefly describe the strategies for solid waste management.

(6 × 4 = 24 Marks)

PART – D

Long Essay

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

32. What are biogeochemical cycles? Explain Carbon cycle.

33. Discuss the causes and impacts biodiversity losses. Explain methods for conservation of biodiversity.

34. Briefly describe causes, effects and control measures of air pollution.

35. Briefly explain ecological succession with special reference to xerosere.

(2 × 15 = 30 Marks)
