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Fifth Semester B.Sc. Degree Examination, February 2021

First Degree Programme under CBCSS

Botany

Core Course - VI

BO 1542 – ENVIRONMENTAL STUDIES AND PHYTOGEOGRAPHY

(2015-17 Admission)

Time : 3 Hours Max. Marks : 80

I. Write short note on the following. **All** questions are compulsory

1. Project Elephant
2. Example for an extinct plant
3. Dobson unit.
4. Minamata disease.
5. Vivipary
6. Thermal pollution
7. Biological magnification
8. JFM

P.T.O.

9. Botanical gardens

10. Ramsar sites. **(10 × 1 = 10 Marks)**

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

11. Make a comment on Montreal Protocol.

12. Write a note on food web.

13. Describe carbon cycle.

14. Write a note on ecological succession with example.

15. Define *ex situ* conservation with examples.

16. Write any five adaptations in mangrove forests.

17. What are the major sources of Air pollution?

18. Describe the components of ecosystem.

19. Describe the role of plants in an ecosystem

20. Make a note on E-waste management.

21. Write a note on IPCC.

22. Write a note on the botanic gardens in Kerala.

(8 × 2 = 16 Marks)

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

23. Describe the uses of PBR.

24. What are renewable resources? Site examples.

25. Describe the causes of biodiversity loss.

26. Write a note on Phytogeographical regions of India.

27. Describe threat of Global warming.

28. Make a comment on Forest conservation Act.

29. Write a note on hot spots of biodiversity.

30. Describe various adaptations in epiphytes.

31. What are the parameters of world heritage sites?

(6 × 4 = 24 Marks)

IV. Answer any **two** of the following

32. Write a detailed note on the activities of IUCN. What are IUCN threat categories?

33. What is *ex situ* conservation? Describe various *ex situ* conservation methods with examples.

34. Write an account on various kinds of water pollutants. Describe Water (prevention and control of pollution) Act.

35. Describe various components of ecosystem.

(2 × 15 = 30 Marks)
