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**M – 1508**

**Reg. No. :** .....

**Name :** .....

**Fifth Semester B.Sc. Degree Examination, December 2021.**

**First Degree Programme under CBCSS**

**Botany**

**Core Course**

**BO 1542 – ENVIRONMENTAL STUDIES AND PHYTOGEOGRAPHY**

**(2014, 2016 & 2017 Admission)**

Time : 3 Hours

Max. Marks : 80

Draw diagrams wherever specified

I. Write short notes on all the followings: (each one carries 1 mark)

1. Shola forest
2. Dobson unit
3. Minamata disease
4. Dioxin
5. Thermal pollution
6. Biological magnification
7. Kyoto Protocol
8. Velamen roots

**P.T.O.**

9. Endemism

10. Vivipary

**(10 × 1 = 10 Marks)**

II. Answer **any eight** of the following (Short answer questions; each question carries **2** marks)

11. Describe ecosystem diversity

12. Write a note on biofuels

13. List out any five xerophytic adaptations maintained by plants

14. Make a comment on EFL

15. Write a short note on the role of IUCN

16. Define ecosystem.

17. Make a comment on Montreal Protocol

18. Make a link between deforestation and climate change

19. Distinguish between parasites and epiphytes

20. Write a note on the Environment Protection Act.

21. Describe carbon cycling

22. Write a brief account on marine pollution

**(8 × 2 = 16 Marks)**

III. Answer **any six** of the following (Short essay questions; each question carries **4** marks)

23. Describe the impact of soil pollution

24. Write a detailed account on in situ conservation methods adopted in India.

25. Describe IUCN threat categories.

26. Make a comment on solid waste management
27. Write a note on hot spots of biodiversity
28. Describe various adaptations in Hydrophytes
29. Write a brief note on the causes of biodiversity loss
30. Write a short note on WWF
31. Make a comment on people Biodiversity Register.

**(6 × 4 = 24 Marks)**

IV. Answer **any two** of the following (Long essay questions: each question carries **15** marks)

32. Write a detailed account on the vegetation of India with suitable examples.
33. Write an account on various kinds of water pollutants. Describe Water (prevention and control of pollution) Act.
34. Describe various threat of biodiversity in Kerala.
35. Make a detailed account on the components of ecosystem

**(2 × 15 = 30 Marks)**

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