Reg. No. : .....

Name : .....

Fifth Semester B.Sc. Degree Examination, December 2023

First Degree Programme under CBCSS

Botany

Core Course

BO 1542 : ENVIRONMENTAL STUDIES AND PHYTOGEOGRAPHY

(2019 Admission Onwards)

Time : 3 Hours Max. Marks : 80

SECTION – A

I. Answer **all** questions in **one** or **two** sentences. Each question carries **1** mark.

Write short notes on :

1. Name two renewable energy sources
2. Afforestation
3. Food chain
4. Climax community
5. Biodiversity
6. KSBB
7. E waste

P.T.O

8. Environmental legislations

9. Acid rain

10. GIS

(10 × 1 = 10 Marks)

SECTION – B

II. Answer any **eight** of the following. Each question carries **2** marks.

11. Comment on land degradation.

12. What is rain water harvesting?

13. Give a brief account of tidal energy.

14. What are epiphytes? How do these differ from parasites?

15. What are abiotic factors of an ecosystem?

16. Explain biogeochemical cycles.

17. What are hot spots of biodiversity?

18. Explain the function NBA.

19. What is pollution? Give examples.

20. What is the significance of sea level rise?

21. Comment on coaster disasters.

22. Enumerate the causes of natural resources depletion.

(8 × 2 = 16 Marks)

SECTION – C

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

23. Give an account of the different types of non renewable resources.

24. Explain Ecotone.

25. Describe a desert ecosystem.

26. Differentiate between species and genetic biodiversity.

27. Comment on .ex situ conservation of biodiversity

28. Briefly explain consuming of eco friendly products.

29. Describe forest conservation act and its importance.

30. Write short notes on WWF.

31. Comment on Global warming and its effects.

(6 × 4 = 24 Marks)

SECTION – D

IV. Write an essay on any **two** of the following. **Each** question carries **15** marks.

32. What are permanent tissues? Explain the different types of permanent tissues in plants.

33. What is anomalous secondary growth? How does secondary growth in *Dracaena* differ from normal secondary growth and why?

34. Explain embryosac formation. Comment on *Sagittaria* type of embyro sac formation.

35. Give an account of importance of pollen grains.

(2 × 15 = 30 Marks)
