

**4 MJ 60310**

FOUR YEAR B.Sc. (Honors) DEGREE EXAMINATION, APRIL/MAY 2025.

FOURTH SEMESTER

Botany

Paper 10 – PLANT ECOLOGY, BIO DIVERSITY AND PHYTO GEOGRAPHY

(w.e.f. 2023-24 Regulations)

Time : Three hours

Maximum : 70 marks

(No additional sheet will be supplied)

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SECTION A — (5 × 4 = 20 marks)

Answer any FIVE questions.

1. Components of an Ecosystem.
2. Food chain and Food Web.
3. Growth curves.
4. P/R ratio.
5. Causes of Forest Fires.
6. Plant indicators.
7. NBPGR.
8. Earth Summit.
9. Principles of Phytogeography.
10. Endemism.

SECTION B — (5 × 10 = 50 marks)

Answer FIVE of the following questions.

11. Describe the role of Light as an ecological factor.

Or

12. Write an account of Interaction among plants.
13. Write a brief notes on Xerosere.

Or

14. Write an essay on Raunkiaers Life-forms.

15. What are the consequences of forest fires?

Or

16. Write about Montreal protocol.

17. What are the major threats for loss of Biodiversity?

Or

18. Explain Hot Spots of India.

19. Vegetation types on Andhra Pradesh.

Or

20. Give an account on Phytogeographical regions of India.

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