



36424

IV Semester B.Sc. Degree Examination, September/October 2020

BOTANY

Paper IV – Ecology and Environmental Biology

(CBCS)

Time : 3 Hours

Max. Marks : 70

Instructions :

- 1) Answer all the questions.
- 2) Draw diagrams wherever necessary.

I. Answer the following questions :

(15 × 1 = 15)

1. What is afforestation?
2. What is soil conservations?
3. Define food web.
4. What is Xerosere?
5. What is Ecosystem?
6. What are endemic species?
7. What is biogeochemical cycle?
8. What is nitrification?
9. What is ecological niche?
10. What are renewable resources?
11. What are producers?
12. What are chalophytes?
13. What are trophic level?
14. What are National Parks?
15. Name any two sanctuaries of India.



36424

(5 × 5 = 25)

II. Answer any five of the following :

16. Explain Pond ecosystem with neat labelled diagram.
17. What is quadrates? Explain the types of the same.
18. What is soil erosion? Explain its controlling measures.
19. What is carbon cycle? Explain the carbon cycle with schematic representation.
20. Define food chain. Explain the types of food chain.
21. Explain the vegetation of Karnataka.
22. Write a note on importance of the forestry.

III. Answer any three of the following :

(3 × 10 = 30)

23. Define ecological pyramids. Explain the types.
24. What is ecological succession? Describe the various stages of hydrosere succession.
25. Explain the phytogeographical regions of India.
26. What are Xerophytes? Explain its anatomical and morphological adaptation of Xerophytes.
27. Write a short note on :
 - (a) Non-renewable resources
 - (b) Soil erosion

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