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DCBN401

Reg. No.

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IV Semester B.Sc. Degree Examination, September - 2023

**BOTANY**

**Ecology and Conservation Biology**

**(NEP Scheme 2021 Onwards)**



**Time : 2½ Hours.**

**Maximum Marks : 60**

**Instructions to Candidates:**

Answer all parts. Draw diagrams Wherever necessary.

**PART - A**

**I. Define/Explain any Four of the following in two or Three sentences. (4×2=8)**

1. Mention any 2 anatomical adaptations in xerophytes.
2. What are sciophytes? Give an example.
3. What is a food web?
4. What is the cause of acid rain?
5. What is continental drift?
6. Mention any two biodiversity hot spots of India.

**PART - B**

**II. Write critical notes on any Four of the following (4×5=20)**

7. Temperature as a climatic factor.
8. Soil types.
9. Interspecific interactions.
10. National mission on clean Ganga.
11. Any two phytogeographical regions of India.
12. Botanical garden as a method of conservation.

**[P.T.O.]**

**PART - C****III. Give a comprehensive account of any Four of the following****(4×8=32)**

13. Ecological adaptations in Halophytes and Epiphytes.
  14. Pyramid of number and pyramid of biomass.
  15. Explain
    - a) Remote sensing
    - b) Biotic components of ecosystem.
  16. Causes and effects of water pollution.
  17. National Parks and Sacred grooves.
  18. Economic value of Biodiversity.
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