



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

BOTANY

Ecology and Conservation Biology

(NEP)

Time : 2 Hours

Maximum Marks : 60

SECTION - A

1. Answer the following questions : **10x1=10**
- (a) What is soil texture ?
 - (b) What are Epiphytes ? Give an example.
 - (c) What is food web ?
 - (d) Define xerosere.
 - (e) What is Intra Specific-Interaction ?
 - (f) What is Phytogeography ?
 - (g) Define mortality.
 - (h) What is acid rain ?
 - (i) Define Ex-situ conservation.
 - (j) Define species diversity.



SECTION - B

Answer **any FOUR** of the following questions :

4x5=20

2. Explain the Morphological and Anatomical adaptations of Hydrophytes.
3. Explain the structure of Pond Ecosystem with neat labelled diagram.
4. Explain the scope and Importance of community Ecology.
5. What are Phytogeographical region of India ? Explain any two types.
6. Explain about the threats to biodiversity.
7. Explain the types of biodiversity.

SECTION - C

Answer **any THREE** of the following questions :

10x3=30

8. What are climatic factors ? Write the effect of light on growth of plants.
9. What are Biogeochemical cycles ? Explain the carbon cycle with suitable diagram.
10. Explain the Intra-Specific and Inter-Specific interactions with examples.
11. What is water pollution ? Write the causes, effects and controlling methods.
12. Write a notes on :
 - (a) Botanical garden.
 - (b) Endemic species.

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