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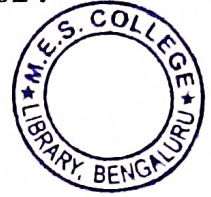
IV Semester B.Sc. Degree Examination, July/August - 2024

BOTANY

Ecology and Conservation Biology

(Scheme NEP-2021 Onwards)

Paper : IV



Time : 2½ Hours

Maximum Marks :60

Instructions to Candidates:

1. Attempt All Parts.
2. Draw diagrams wherever necessary

PART - A

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

1. Differentiate Ecological habitat and Ecological niche.
2. Mention any four phytogeographical regions of India.
3. Define Remote sensing.
4. What is Minamata disease?
5. Name any two Biosphere Reserves of India.
6. Define Pedogenesis.

PART - B

II. Write Critical notes on any FOUR of the following (4×5=20)

7. Soil Profile.
8. Ecological adaptations of Halophytes.
9. Food chain and its types.
10. Theory of Continental drift.
11. Waste water treatment.
12. Economic and aesthetic value of any five medicinal plants.

[P.T.O.]

**PART-C**

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

13. Explain Light as a climatic factor.
 14. What is Ecosystem? Explain the structure of aquatic Ecosystem with an example.
 15. Explain the causes and effects of soil pollution.
 16. Enumerate the ecological succession on a barren rock.
 17. Explain in detail the Ex-situ methods of biodiversity conservation
 18. Explain :
 - a) Endemism
 - b) Gene bank.
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