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SVS-N 319 B-16

B.Sc. Vth Semester Degree Examination

Botany

(Plant Ecology, Environmental Biology and Phytogeography)

Paper : 5.2

(New)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- i) Answer **all** the questions
- ii) Diagrams will enhance the value of answers.

I. Answer any TEN of the following:

(10×2=20)

1. Define Ecosystem. Mention its types
2. What are Ecads?
3. What is Ecotone? Give example .
4. What are Parasites? Name any two total stem parasites.
5. What are hotspots? Name the two hotspots of India
6. Expand BNHS & CPCB.
7. What are sacred grooves? Name it.

8. What are Endemic SPS? Give example.
9. What is top soil? Mention its composition.
10. What are Epiphytes? Give example
11. What is Ecological Niche?
12. Define plant succession. Mention its types.

II. Answer any four of the following. (5×4=20)

13. What are Ecological Pyramids? Explain pyramid of number.
14. What are Halophytes? Explain Morphological & Anatomical adaptation of Halophytes.
15. What is remote sensing? Mention its application.
16. Write a note on vegetation of Karnataka.
17. Write a brief note on Intellectual property right.
18. Explain the activities of NEERI & WWF.

III. Answer any four of the following (10×4=40)

19. What is Hydrosere? Explain stages of hydrosere
20. What is phytogeography? Explain terrestrial plant community.
21. Describe soil profile with diagram.
22. What are xerophytes? Explain Morphological & Anatomical adaptation of xerophytes.

23. Write note on:

- a) Gene bank
- b) Global warming
- c) Habitat
- d) Red Data Book

24. Explain florestic regions of India.