

B.Sc. DEGREE EXAMINATION, NOVEMBER 2019
II Year IV Semester
Ecology and Environmental Biotechnology

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Autecology
2. Producers
3. Pioneer
4. Vivipary
5. Rain forest
6. Savannah
7. National park
8. Silviculture
9. Methane
10. Biosorption
11. Velamen tissue
12. BOD

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Describe the scope of ecology.
14. List the morphological and anatomical adaptations of hydrophytes.
15. Write the basic principles of phytogeography.
16. How agroforestry helps in conservation of soil?
17. Write a note on biogas production.
18. Comment on the vegetation type deciduous forest.
19. Give an account on the anatomical adaptations of xerophytes.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Write in detail on the influence of biotic and climatic factors on vegetation.
21. How does plant succession occur in a barren rock?
22. Write an essay on the mangrove vegetation and scrub jungle.
23. What is conservation? Write in detail on ex-situ methods of conservation.
24. Describe the process of sewage treatment.

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