

M.Sc. DEGREE EXAMINATION, NOVEMBER 2019
II Year III Semester
Ecology and Phytogeography

Time : 3 Hours

Max.marks :75

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

Answer any **TEN** questions

1. Define Biome
2. Biotic components of ecosystem.
3. Food Chain
4. Bioaccumulation
5. Green House gases.
6. Acid rain
7. Key stone species.
8. Species richness
9. Biodiversity hotspots.
10. Continental drift.
11. Food web
12. Ozone depletion.

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

Answer any **FIVE** questions

13. Write a short note on different components of an ecosystem.
14. What is biogeochemical cycle? Explain Phosphorus cycle.
15. Explain the different threats to ozone layer.
16. Elaborate on the basics of population ecology.
17. Write details on the soils of India.
18. Mention few biological monitoring programmes and its impact on environment.
19. Discuss any one of the energy flow models in an ecosystem.

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

Answer any **THREE** questions

20. What are the different types of ecosystem? Explain pond ecosystem.
21. Critically comment on the nitrogen cycle and its importance.
22. Enumerate the causes and consequences of Global warming in detail.
23. Describe the structure, component and character of ecological community.
24. Give a detailed account on the vegetation regions of Indian subcontinent.

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