

21I301

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Name:

Reg.No:

THIRD SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOV. 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19I A11 / CC20U IA11 - BIODIVERSITY

(Geology)

(2019 Admission onwards)

Time : 2.5 Hours

Maximum : 80 Weightage

Credit: 4

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Explain eutrophication.
2. India: A megadiversity Nation.
3. Define Ecosystem Diversity.
4. Explain distribution of forests on Earth.
5. Explain Phylum Bryozoa.
6. Environmental uncertainty.
7. Fragmentation.
8. Role of Agro biodiversity.
9. Provisioning services.
10. Process of bio-prospecting.
11. Protected areas.
12. In vivo and In vitro collections.
13. Sacred groves.
14. Chico River Dam and Tribal Campaign.
15. Awareness programmes in Biodiversity conservation.

(Ceiling: 25 Marks)

Part B (Paragraph questions)

Answer *all* questions. Each question carries 5 marks.

16. List the types of Biodiversity.

17. Explain various observed changes on Biodiversity in relation to climate change.
18. Define Nitrogen fixation and the role of Bacteria in the process.
19. Red data book of threatened species.
20. Significance of wild relatives of domesticated animals.
21. Micro-organisms and plants as source of enzymes.
22. Inventorying biodiversity.
23. Give a brief account of ecosystem restoration with examples.

(Ceiling: 35 Marks)

Part C (Essay questions)

Answer any *two* questions. Each question carries 10 marks.

24. Discuss hotspots of India, by giving a special note on Sundaland Hotspot.
25. Write a brief discussion on the natural factors causing loss of biodiversity and explain about loss of species diversity.
26. Write a detailed report on the values and uses of biodiversity.
27. Describe the methods and limitations of monitoring biodiversity.

(2 × 10 = 20 Marks)
