

24I301

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Name:

Reg.No:

THIRD SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOV. 2025

(CBCSS)

(Regular/Supplementary/Improvement)

CC20GLO3IA11 / CC23GLO3IA11 - BIODIVERSITY - SCOPE AND RELEVANCE

(Geology)

(2020 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. Discuss Biodiversity crisis.
2. Define Greenhouse gases.
3. Differentiate Genetic and Ecosystem Diversity.
4. Distinguish the fungi and animal like Protists.
5. Define Angiosperms.
6. Genetic uncertainty.
7. Biovillage concept.
8. Red data book.
9. Ethic value.
10. Bio-piracy.
11. Bryophytes.
12. Onsite conservation.
13. Test-tube gene banks.
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. Generalize the significance of Biodiversity in daily life.

17. India: A megadiversity Nation.
18. Discuss the classification of Animalia Kingdom.
19. Founder effect and demographic bottleneck.
20. Significance of wild relatives of domesticated animals.
21. Tangible and intangible uses of biodiversity.
22. Monitoring biodiversity.
23. Briefly describe Microbial culture collections and centres holding IDA status.

(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 The Great Himalayas.
25. Describe the natural factors causing loss of biodiversity and explain about loss of ecosystem diversity.
26. Describe micro-organisms and plants as source of novel enzymes, antibiotics and antiviral agents.
27. Describe the conservation of ecosystem diversity and species diversity.

(2 × 10 = 20 Marks)
