

22I301

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Name:

Reg.No:

THIRD SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOV. 2023

(CBCSS)

(Regular/Supplementary/Improvement)

CC20I A11 - BIODIVERSITY - SCOPE AND RELEVANCE

(Geology)

(2020 Admission onwards)

Time : 2.5 Hours

Maximum : 80 Marks

Credit : 4

Part A (Short answer questions)

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

1. Name and define different types of Biodiversity
2. Explain various observed changes on Biodiversity in relation to climate change
3. Define Saprophytes
4. Distinguish between deciduous and boreal forest
5. Discuss the mode of classification of Animalia Kingdom
6. Deterministic process
7. IUCN red list
8. UNEP/GEF project
9. Tangible uses of biodiversity
10. Bio-prospecting
11. Species monitoring
12. Monitoring viruses
13. DNA banks
14. Ginkgo biloba
15. Participatory Forest Management

(Ceiling: 25 Marks)

Part B (Paragraph questions)

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

16. India: A megadiversity Nation.

17. Discuss Sundaland as a Hotspot.
18. Differentiate Genetic and Species diversity.
19. Types of fragmentation.
20. Agrobiodiversity and challenges to agrobiodiversity.
21. Explain demand value, Intrinsic value and Transformative value.
22. Briefly describe Reintroduction of species.
23. Role of Media in Biodiversity awareness programmes.

(Ceiling: 35 Marks)

Part C (Essay questions)

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

24. Classify the benefits of Biodiversity in our daily life.
25. Describe the natural factors causing loss of biodiversity and explain about loss of species diversity.
26. Describe micro-organisms and plants as source of novel enzymes, antibiotics and antiviral agents.
27. Describe insitu conservation of biodiversity with examples.

(2 × 10 = 20 Marks)
