23I301 (Pages: 2) Name: .....

Reg.No: .....

THIRD SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOV. 2024

(CBCSS)

(Regular/Supplementary/Improvement)

CC20 GLO3 IA11 / CC23 GLO3 IA11 - 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. Discuss the importance of biodiversity in an aquatic system.
3. Criticize the effect of climate change on Biodiversity.
4. Define deciduous forest.
5. Discuss the geographic distribution of mammals on the Earth.
6. Chance events.
7. Loss of Genetic biodiversity.
8. UNEP/GEF project.
9. Supportive services.
10. Antivirals from algae.
11. Conservation of Species diversity.
12. Home Garden Conservation.
13. Reserve collection and Core collection.
14. Endangered species.
15. Chipko Andolan.

(Ceiling: 25 Marks)

Part B (Paragraph questions)

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

16. Describe the Red and Green book along with its significance.
17. Distinguish adaptation and mutation.

18. Explain different types of Fungi along with its significance in our ecosystem.

19. Agribiodiversity and challenges to agrobiodiversity.

20. Red data book of threatened species.

21. Ethical value and aesthetic value of biodiversity.

22. Problems in monitoring a species.

23. Role of Educational Institutions in Biodiversity awareness programmes.

(Ceiling: 35 Marks)

Part C (Essay questions)

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

24. Discuss Hotspots of Biodiversity.

25. Describe the natural factors causing loss of biodiversity and explain about loss of ecosystem diversity.

26. Explain need of bio-prospecting its merits and demerits.

27. Write an essay on inventorying and monitoring of biodiversity.

(2 × 10 = 20 Marks)

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