

24I102

(Pages: 2)

Name:

Reg.No:

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

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC23 GLO1 IB01 - EARTH AND ENVIRONMENT

(Geology)

(2023 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Size of the Earth.
2. Examples of Major Plates.
3. Slab Pull.
4. Geologic Time Scale.
5. Petrology.
6. Fold system.
7. Volcanic earthquakes and landslides.
8. Liquefaction and Subsidence.
9. Mudvolcano.
10. Orogeny.
11. Elastic rebound theory.
12. Intensity and Magnitude.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Age of the Earth.
14. Structure of silicates.
15. Chemical properties of minerals.
16. Rock cycle with neat figures.
17. Topographic map and its interpretation.

18. Explain Isostasy and describe Pratt and Heiskanen's theory.
19. Origin of Tsunami and the characteristics of the Tsunami wave.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any *one* question. The question carries 10 marks.

20. Write an essay on theories related to the origin of solar system and its planets.
21. Write an essay on Volcanoes and its classification.

(1 × 10 = 10 Marks)
