

**25I103S**

(Pages: 2)

Name: .....

Reg.No: .....

**FIRST SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOV. 2025**

(CBCSS)

**CC23GLO1IB01 - EARTH AND ENVIRONMENT**

(Geology)

(2023, 2024 Admissions - Supplementary/Improvement)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

**Part A (Short answer questions)**

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

1. Planetesimal Hypothesis.
2. Mass and Density of the Earth.
3. Deep Mantle Convection.
4. Cenozoic Era.
5. Phosphates.
6. Fault.
7. Deformation.
8. Landslides and rock falls.
9. Pelean and Plinian types.
10. Airy theory of Isostasy.
11. Focus and Epicentre with neat diagram.
12. Causes of Tsunami.

**(Ceiling: 20 Marks)**

**Part B (Short essay questions - Paragraph)**

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

13. Absolute dating techniques for the determination of Earths age.
14. Exsolution.
15. Give an account of various types of rocks.
16. Rock Cycle.

17. Prediction and mitigation of landslides.
18. Classification of mountains.
19. Magnitude and Ritcher scale.

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

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

20. Write an essay on Plate Tectonic theory.
21. Write an essay on volcanic products.

**(1 × 10 = 10 Marks)**

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