

211107

(Pages: 2)

Name:

Reg.No:

FIRST SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOV. 2021

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC20I GELI B01 - EARTH AND ENVIRONMENT

(Geology)

(2020 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Weightage

Credit: 3

Part A (Short answer questions)

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

1. Branches of Geology.
2. Destructive plate Boundary.
3. Buoyancy model.
4. Devonian Period.
5. Rock forming minerals? Give examples.
6. Non-cylindrical fold.
7. Strike line.
8. Triggering factors of landslide.
9. Cinder cones and composite cone.
10. Aa lava and Pahoehoe lava.
11. P-waves.
12. 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 Earth's age.
14. Chemical properties of minerals.

15. Types of Rocks.
16. Rock Cycle.
17. Forecasting and mitigation measures of earthquake hazards.
18. Briefly explain Airy, Pratt and Heiskanen theories.
19. Richter and Mercalli's scale.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Write an essay on the origin of solar system.
21. Explain in detail on classification of mountains and theories of origin of mountains.

(1 × 10 = 10 Marks)
