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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL1 C02 - STRUCTURAL GEOLOGY AND GEOTECTONICS

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. How to read Geological Maps?
2. Stress and strain.
3. Stereographic projections.
4. Hadean crust.
5. Lithosphere
6. Relative motion of plates.
7. MOR

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Behaviour of minerals and rocks under deformation conditions.
9. Classification of joints.
10. Characteristics of faults and fault zone.
11. Cataclasites and their significance.
12. Seismic properties of earth's interior.
13. Geodynamic evolution of the Indian plate.
14. Seismicity in Himalayas.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Describe the geometric and genetic classification of folds.
16. Define lineation. Also explain types of lineations in detail.
17. Describe the various concepts related with planetary tectonics.
18. Explain palaeomagnetism and its application for determining palaeoposition of continents.

(2 × 5 = 10 Weightage)
