

21P149

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(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. Principles of Geological Mapping.
2. Differential Forces.
3. Disjunctive foliation.
4. Planetary tectonics.
5. Ocean ocean divergence.
6. Intracratonic orogens.
7. MOR

(4 × 2 = 8 Weightage)

Part-B

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

8. Significance of minor folds in deciphering major structures.
9. Classification of fractures.
10. Fault geometry and its classification.
11. Origin and significance of mylonites and cataclasites.
12. Comparisons of terrestrial planetary interiors.
13. Geodynamic evolution of the Indian plate.
14. Palaeomagnetism and its application.

(4 × 3 = 12 Weightage)

Part-C

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

15. Explain the stress strain relationship of elastic, plastic and viscous materials. Add a note on the stress strain diagram.
16. Describe stereographic projection in Structural Geology. Add a short note on its uses.
17. Explain major tectonic features of the earth.
18. Describe the various concepts related with plate kinematics. Add a short note on absolute and relative plate motion.

(2 × 5 = 10 Weightage)
