

24P146

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2024

(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. Define a fault and its parts.
3. Boudinage.
4. Terrestrial planets.
5. Oceanic crust.
6. Mantle convection.
7. Absolute motion of plates.

(4 × 2 = 8 Weightage)

Part-B

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

8. Stress strain diagram.
9. Dip isogon classification of fold.
10. Shear zones and its types.
11. Stereographic and equal area projections.
12. Himalayan Orogeny.
13. Mid Oceanic Ridge System.
14. Application of palaeomagnetism in palaeogeographic reconstruction.

(4 × 3 = 12 Weightage)

Part-C

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

15. Classification of joints based on their attitude and geometry.
16. Explain fractures in rocks and its classification with neat sketches.

17. Describe the various concepts related with planetary tectonics.
18. Explain geodynamic evolution of Indian plate in detail.

(2 × 5 = 10 Weightage)
