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Name:

Reg.No:

FIFTH SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOV. 2024

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC20 GLO5 IB08 - STRUCTURAL GEOLOGY AND GEOTECTONICS

(Geology)

(2020 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Explain Stress Ellipsoid.
2. Dilation.
3. Yield Strength.
4. Crest Line.
5. Parallel Fold.
6. Radial Faults.
7. Riedel Shear.
8. Columnar Joints.
9. Slip Lineations.
10. Palaeomagnetism.
11. Trenches.
12. Island Arcs.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Explain concept of force and its types.
14. Elastic and plastic behaviour in rocks.
15. Representation of fold on a Map and symbols.
16. Evidences suggestive for the presence of Nonconformity and disconformity in the field.
17. Recognition of unconformities in the field.

18. Nomenclature of fault in rocks.

19. Types of fractures.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe lineations in rocks and write a short note on significance of linear structures.

21. Give an account of India-Asia collision and origin of Himalaya.

(1 × 10 = 10 Marks)
