

23I504

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Name:

Reg.No:

FIFTH SEMESTER M.Sc. INTEGRATED GEOLOGY DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS)

(Regular/Supplementary/Improvement)

CC20GLO5IB08 / CC23GLO5IB08 - 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. Uniform Stress.
2. Explain Deviatoric Stress.
3. Simple Shear.
4. Concentric Fold.
5. Synformal Anticline.
6. Disconformity.
7. Onlap.
8. Graben.
9. Cataclasites.
10. Boudins.
11. Lithospheric Plate.
12. Divergent Plate Boundary.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Explain stages of deformation and behaviour of materials.
14. Explain mechanism of Elastic Deformation.
15. Fold symmetry.
16. Representation of fold on a Map and symbols.
17. Tension joints.

18. Geometric classification of joints.

19. Lineation.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Geometric classification of faults. Write a note on recognition of faults in the field.

21. Discuss the evolution of Himalaya.

(1 × 10 = 10 Marks)
