

21U523

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Name:

Reg.No:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2023

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19U GEO5 B09 - STRUCTURAL GEOLOGY AND GEOTECTONICS

(Geology - Core Course)

(2019 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. Contour line.
2. True Dip.
3. Ductile deformation.
4. Inflection lines.
5. Recumbent fold.
6. Fault breccia.
7. Brittle- ductile shear zone.
8. Mylonitic Foliation.
9. Celestial sphere.
10. Lithosphere.
11. Hot spots.
12. Divergent Plate Boundary.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Width of an outcrop.
14. Components of stress.
15. Engineering considerations of joints.
16. Types of unconformities.
17. Surface lineations.

18. Theories Before Continental drift hypothesis.

19. Sea Floor Spreading Theory.

(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. Write about physical layers of earth's interior.

(1 × 10 = 10 Marks)
