

20U523

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Name:

Reg.No:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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. Geologic structure.
2. Normal stress.
3. Ductile deformation.
4. Fault gouge.
5. Oblique-slip faults.
6. Shear fracture.
7. Shear sense.
8. Bedding foliation.
9. Boudins.
10. Wadati Benioff Zone.
11. Climatic Evidences for Continental Drift.
12. Shallow Convection Model.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Representation of planar attitudes in map.
14. Rule of V.

15. Classification of fold based on stratigraphy.
16. Significance of unconformities.
17. Wulffnet.
18. Seismic discontinuities.
19. Movement of lithosphere.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe geometry and elements of folded surface.
21. Explain structure and characteristics of layers of earth.

(1 × 10 = 10 Marks)
