

19U521

(Pages: 2)

Name:

Reg.No:

FIFTH SEMESTER B.Sc. DEGREE EXAMINATION, NOVEMBER 2021

(CBCSS - UG)

CC19U GEO5 B09 - STRUCTURAL GEOLOGY AND GEOTECTONICS

(Geology - Core Course)

(2019 Admission - Regular)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

Part A (Short answer questions)

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

1. Lineation.
2. Differential stress.
3. Ultimate strength.
4. Neutral fold.
5. Fault scarp.
6. Parallel unconformity.
7. Foliation.
8. Rods.
9. Wulff/Schmidt net.
10. Geothermal gradient.
11. Seismic Shadow zone.
12. Mid Oceanic Ridge.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

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

13. Topographic map and its interpretation
14. Width of an outcrop
15. Description of a fold system
16. Engineering considerations of joints
17. Major shear zones of south India
18. Petrochemical characteristics of mantle
19. Driving Mechanism of Sea Floor Spreading

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. Describe geometry and elements of a fault
21. Write an essay on Continental Drift Hypothesis?

(1 × 10 = 10 Marks)
