

B. SC. GEOGRAPHY 1st YEAR 2ND SEMESTER EXAMINATION 2022

Subject: Geotectonics and Geomorphology

Paper: SC/GEOG/UG/CORE/TH/03

Time: Two Hours

Full Marks: 50

GROUP-A

Answer any two questions

10x2 = 20

1. Compare the theories of Isostasy as proposed by Airy and Pratt. 5+5
2. Discuss the various types of mechanical weathering with suitable diagrams. 10
3. Give the differences between a normal and reverse fault. Elaborate different types of folds. State the forces responsible for formation of folds and faults. 3+5+2
4. Critically analyse the dynamic equilibrium theory of J.T. Hack. 10

GROUP-B

Answer any two questions

5x2 = 10

5. Explain the causes of plate movement.
6. What are the major subsurface features in a Karst topography?
7. Elucidate the concept of uniformitarianism.
8. Explain drainage network developed on an uniclinal structure.

GROUP-C

Answer any five questions

2x5 = 10

9. What is mass wasting?
10. Define antecedent river.
11. How is a wave cut platform formed?
12. What is a strike slip fault?
13. What is an escarpment?
14. Mention two topographical features associated with igneous rock.
15. What is a curved spit?
16. Mention the trio of Davis.

Internal Assessment

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