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B.Sc./1st Sem (H)/GEOG/22(CBCS)

2022

1st Semester Examination

GEOGRAPHY (Honours)

Paper : C 1-T

(Geotectonics and Geomorphology)

[CBCS]

Full Marks : 60

Time : Three Hours

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *ten* questions : $2 \times 10 = 20$

1. Define spit.
2. Explain the formation of Mid-Atlantic Ridge.
3. What is Conrad Discontinuity?
4. Define Antecedent Stream with example.
5. Which geological period is considered as the age of new orographic movement and why?
6. Define 'Line of Compensation'.
7. Differentiate between weathering and erosion.

P.T.O.

(2)

8. Which types of signature landforms are developed on granite and basalt rocks in the tropics?
9. Define 'Aufsteigende Entwicklung'.
10. What is soil creep?
11. Differentiate between Stalagmites and Stalagmites.
12. What is Triple junction?
13. Differentiate between Yardang and Zeugen.
14. Define Hogback and Cuesta.
15. Differentiate between plutonic and hypabyssal rocks with example.

Group - B

Answer any *four* questions : $5 \times 4 = 20$

16. Briefly explain the concept of Seismic Shadow Zone with proper diagram. 5
17. Write a short note on Gravity Anomaly with proper examples. 5
18. Differentiate between Oxidation and Reduction Weathering processes. What is weathering residue? 3+2
19. Explain the process of relief inversion with diagrammes. 5
20. Explain the process of Island Arcs formations around the world. 5

(3)

21. Illustrate erosional and transportation processes caused by running water. 5

Group - C

Answer any *two* questions : $10 \times 2 = 20$

22. Elucidate different types of folds with sketches and diagrams. 10
23. Explain Dynamic Equilibrium Theory of landform evolution. What are the major dissimilarities of this theory with Davisian cycle of erosion. 7+3
24. Write a short note on different depositional landforms of Glaciers. What is Solifluction? 8+2
25. Mention major erosional landforms of Karst topography with proper diagrams. What is Nappe? 8+2