

B.Sc. (Honours) Part: I Examination 2020

Subject: Geography (Honours)

First Paper Full Marks: 100 Time: 4 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Module - 1: Geotectonics and Geomorphology Marks: 50

Category: A

Answer **any three** questions (each within 600 words)

10 X 3

1. Examine critically the concept of isostasy as put forward by Airy and Pratt.
2. Classify the different types of folds. Illustrate your answer with suitable sketches.
3. Trace the evolution of drainage and landforms in an area of uniclinal structure with the help of suitable sketches.
4. Analyze the evolution of landforms produced by the process of Aeolian deposition.
5. Examine the Penck's concept of evolution of landforms.

Category: B

Answer **any five** questions (each within 150 words)

4 X 5

6. Explain the principle of Uniformitarianism.
7. Give the evidences for seafloor spreading.
8. How are island arcs formed?
9. What are the characteristics of destructive plate boundaries?
10. What is Inversion of Relief?
11. What are the favourable conditions for the development of Karst topography?
12. What are the effects of negative change in the base level of erosion?
13. Differentiate between pediment and bajada.

Please Turn Over

Module - 2: Hydrology and Oceanography Marks: 50

Category: A

Answer *any three* questions (each within 600 words)

10 X 3

14. Describe the physical and biological roles of global hydrological cycle with suitable sketches.
15. Explain the factors controlling the movement of groundwater.
16. Classify aquifers and discuss the effects of their over utilization.
17. Explain the major features of the ocean floor in the light of Plate Tectonics.
18. Discuss the favourable conditions for the growth and development of different types of coral reefs.

Category: B

Answer *any five* questions (each within 150 words)

4 X 5

19. Distinguish between vadose zone and phreatic zone.
20. Explain the difference between porosity and permeability.
21. Distinguish between confined and unconfined aquifers.
22. What are the conditions favourable for the development of artesian well?
23. Explain the formation of Mid-Atlantic Ridge.
24. Write short note on water mass.
25. What is a T-S diagram?
26. Write a short note on tides.

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