

2021

GEOGRAPHY — HONOURS

Paper : CC-1

(Geotectonics and Geomorphology)

Full Marks : 50

The figures in the margin indicate full marks.

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

Category - A

Answer **any five** questions (each within **50** words).

2×5

1. Define hotspot volcano.
2. What is Benioff Zone?
3. What do you mean by strike of a rock bed?
4. What is the difference between anticline and antiform?
5. What do you mean by deep weathering?
6. Define stage in the context of cycle of erosion.
7. Differentiate between fault scarps and faultline scarps.

Category - B

Answer **any four** questions (each within **150** words).

5×4

8. Briefly discuss the geologic significance of Carboniferous and Cretaceous periods.
9. Explain the applicability of Airy's concept of isostasy.
10. Distinguish between continental and oceanic crust.
11. Explain the processes of transportation of sediment load by a river.
12. Write a note on role of humans in landform development.
13. How does an outwash plain develop?

Please Turn Over

Category - C

Answer *any two* questions (each within **500** words).

10×2

14. Discuss the landforms that are associated with convergent plate margins.
 15. Explain the development of landforms on granitic rocks with suitable sketches.
 16. Describe the landforms formed by aeolian erosional processes.
 17. Critically discuss the dynamic equilibrium theory of landscape development as postulated by J.T. Hack.
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