

2026

(Regular)

Geography (Core)

Paper Code : GG-CE-4214

Paper Name : Geomorphology

Time : 2 hours

Full Marks : 45

The figures in the margin indicate full marks for the questions.

1. Answer the following questions : 1×4=4
 - a) Give one example of Exogenesis Force.
 - b) What is drainage pattern ?
 - c) Which type of sand dune is 'Crescent Shaped' and Shifts rapidly?
 - d) What is peneplain ?
2. Answer the following questions : 2×3=6
 - a) What is Delta and how and where does it form.
 - b) What is Karst Topography and mention at least one landform developed under this topography.
 - c) What is oxbow lake and where does it formed ? Explain.
3. Answer **any three** of the following questions : 5×3=15
 - a) State the concept of plate tectonics. How does it help us in explaining the formation of the Himalayas and Appalachian?
 - b) Explain the concept of Isostasy as postulated by Airy and Pratt.
 - c) What is Slope ? Discuss the elements and classification of slopes.
 - d) Explain briefly about the landform development under the

fluvial condition.

- e) Discuss the limitations of the theory of Continental Drift.
- f) Discuss in brief the major drainage patterns.

4. Answer *any two* of the following questions : 10×2=20

- a) Discuss in detail about the landform development theory of Davis also write at least two positive and negative aspects of the theory. 6+2+2=10
- b) Define the concept of Geosyncline and critically discuss the thermal convection current theory of mountain building theory proposed by Holmes. 3+7=10
- c) Define the meaning, nature, scope and significance of geomorphology. 2+2+3+3=10
- d) Briefly discuss about the erosional landforms developed in Aeolian environments. 10

