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MGG-002

M. SC. (GEOGRAPHY)
(MSCGG)

Term-End Examination

June, 2025

MGG-002 : GEOMORPHOLOGY

Time : 3 Hours

Maximum Marks : 100

Note : *Attempt all questions. Marks are indicated against each Section.*

Section—A

1. Attempt any *five* questions. Your answer should be in about **150** words : $5 \times 4 = 20$

(i) What is 'Planetary Geomorphology' ?

List different approaches to study geomorphology.

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- (ii) What is geomorphic threshold ?
Describe.
- (iii) Explain the 'Concept of Isostasy'.
- (iv) Discuss Hawaiian eruptions.
- (v) Write any *eight* factors that control the mass movement.
- (vi) What are rapids and waterfalls ?
- (vii) Write the role of waves in the formation of coastal landforms.

Section—B

2. Attempt any *five* questions. Your answer should be in about **250** words : $5 \times 6 = 30$
- (i) What are geomorphic systems ? Explain any *two*.

- (ii) Discuss the Continental Drift Theory with supporting evidences.
- (iii) Explain any *three* types of glaciers.
- (iv) Explain the *two* approaches of slope development.
- (v) What are tools and techniques used in geomorphology for measuring landforms ?
- (vi) How is Geomorphology related to other Earth Science disciplines ? Explain.
- (vii) What are Seismic waves ? How do these waves propagate through earth's interior ? Illustrate your answer with a suitable diagram.

Section—C

Note : Attempt any *five* questions. Your answer should be in about **500** words. $5 \times 10 = 50$

3. Explain any *five* fundamental concepts of geomorphology that govern the origin and evolutionary processes of landforms.
4. What are exogenetic and endogenetic movements ? Explain folding in detail.
5. What is weathering ? Discuss its types.
6. Briefly describe 'Karst Topography'. Explain the primary chemical reaction in the process of Karst formation.
7. What is wind erosion ? Explain any *two* erosional processes with the help of a diagram.

8. What is Geomorphology ? Describe the *three* important components of geomorphological mapping.
9. Explain any *five* processes of surface hydrology in the movement of water on the earth's surface.

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