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MGG-002

**MASTER OF SCIENCE IN
GEOGRAPHY
(MSCGG)**

Term-End Examination

June, 2026

MGG-002 : GEOMORPHOLOGY

Time : 3 Hours

Maximum Marks : 100

Note : (i) Attempt *all* Sections.

(ii) Marks are indicated against each
Section.

Section—A

1. Attempt any *five* questions. Your answer should be in **150** words each. $5 \times 5 = 25$

(a) Define geomorphology. Explain the significance of geomorphology in studying earth's surface.

(b) What are Strombolian and Vesuvian types of explosive eruption volcanoes ?

(c) Explain 'Open System' in geomorphology with suitable examples.

(d) Describe biological weathering.

(e) Write a short note on 'Glaciation in the Geological Past'.

- (f) Mention any five factors affecting the rate and magnitude of sea wave erosion in coastal zones.
- (g) Differentiate between confined and unconfined aquifers.

Section—B

Note : *Attempt any **three** questions. Your answer should be in **300** words.*

3×10=30

2. Briefly describe 'Geological Time Scale' with a neat diagram.
3. What is folding ? Explain any *three* types of folds with a neat sketch.
4. Explain mass movement. Discuss the factors controlling mass movement.
5. Describe 'Karst Cycle of Erosion'.

6. Explain the advantages of Satellite imageries for obtaining information of geomorphic features in detail.

Section—C

Note : *Attempt any **three** questions. Your answer should be in **600** words each.*

3×15=45

7. Critically examine the 'Plate Tectonics Theory' with suitable diagrams.
8. Describe the concept of River Basin. Explain the *three* different types of water flows with neat diagrams.
9. What are the factors involved in Aeolian transport processes ? Explain any *four* Aeolian landforms with neat sketches.

10. What is soil degradation ? Discuss physical, chemical and biological types of soil degradation in detail.
11. Define slope. Briefly describe types of slope profiles. How do you measure slope.

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