

No. of Printed Pages : 4

MGG-002

M. SC. (GEOGRAPHY) (MSCGG)

Term-End Examination

December, 2024

MGG-002 : GEOMORPHOLOGY

Time : 3 Hours

Maximum Marks : 100

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

Section—A

5×4=20

Note : *Attempt any **five** questions. Your answer should be in about **150** words.*

1. (i) Write the scope of geomorphology.
- (ii) What is Vulcanicity ? List any *four* volcanic features.
- (iii) Define mass movement. Name any *four* factors affecting mass movement.

B-1429/MGG-002

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- (iv) Explain 'Deflation Process' in wind erosion.
- (v) What are stalagmites and stalactites ?
- (vi) Explain the Wentworth's method for measuring the slope.
- (vii) Write any *four* major tools used in geomorphology for collecting primary data.

Section—B

5×6=30

2. Attempt any *five* questions. Your answer should be in about **250** words.
- (i) Explain *three* types of 'Slides' in mass movement.
 - (ii) Discuss the development of geomorphology in modern and recent periods.
 - (iii) Explain the internal structure of the earth with a diagram.
 - (iv) Describe any *three* erosional landforms associated with aeolian processes.

- (v) What is coastline ? Explain 'Offshore' and its importance in coastal processes.
- (vi) Explain the 'Slope Replacement Model' propounded by Penck using a rough sketch.
- (vii) What is land degradation ? Describe the causes of land degradation.

Section—C

5×10=50

Note : Attempt any **five** questions. Your answer should be in about **500** words.

3. List any *four* fundamental concepts of geomorphology. Explain any *two* concepts with examples.
4. Discuss Plate Tectonic Theory by explaining mechanisms involved in plate movement.
5. What is fold ? Explain any *four* types of folds with the help of diagrams.

6. Explain drainage basin. Discuss any *three* types of drainage patterns with diagram.
7. What is glaciation ? Elaborate the glaciation in geological past.
8. Discuss the use of remote sensing technology in geomorphic mapping.
9. Elaborate the importance of landuse planning in environmental management.

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