

No. of Printed Pages : 3

**MGG-002**

**Master of Science in Geography**

**(MSCGG)**

**Term-End Examination**

**June, 2024**

**MGG-002 : Geomorphology**

*Time : 3 Hours*

*Maximum Marks : 100*

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

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**Section-A**

1. Attempt any *five* questions. Your answer should be in 150 words. 5×4=20
  - (i) What is 'General Systems Theory' ?
  - (ii) How has geologic time scale been framed ?
  - (iii) What are 'anticline' and 'Syncline' ?
  - (iv) Explain any *two* types of intrusive landforms associated with volcanoes.
  - (v) Explain any *two* processes involved in fluvial erosion.

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- (vi) Write any *four* tools and techniques used in geomorphology for analyzing landforms.
- (vii) Write any *four* depositional landforms of coastal processes.

### Section-B

2. Attempt any *five* questions. Your answer should be in 250 words. 5×6=30

- (i) Discuss the Dynamic Equilibrium Theory of Hack.
- (ii) Discuss the concepts of Catastrophism and uniformitarianism.
- (iii) Explain the mechanisms involved in plate movement.
- (iv) Describe the magnitude of earthquake on Richter Scale and its effects.
- (v) What are the three geomorphic models ? Explain in brief.
- (vi) Explain any three glacial landforms.
- (vii) Describe parabolic and longitudinal dunes with rough sketches.

**Section-C**

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

3. What is geomorphology ? Explain any four approaches in the study of geomorphology.
4. Explain the four different types of faults with suitable diagram.
5. What is Weathering ? Discuss any four factors affecting weathering.
6. What is Karst topography ? Explain any four surface Karst forms in detail.
7. Describe four types of Slope Profiles ? Explain the 'Slope Decline Theory' of Davis with diagram.
8. How humans are acting as geomorphic agent ? Explain.
9. Explain desertification. Discuss any four consequences and mitigation measures of desertification in detail.