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**25-GE-21**

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION  
MAY - JUNE 2025**

**GEOLOGY**  
Paper - I  
**[Geomorphology]**

*[Max. Marks : 75]*

*[Time : 3:00 Hrs.]*

*[Min. Marks : 26]*

**Note :** Candidate should write his/her Roll Number at the prescribed space on the question paper.  
Student should not write anything on question paper.  
Attempt all five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

**Q. 1** What is Geomorphology ? Describe the basic concepts and significance of geomorphology.

**OR**

Write short notes on -

- i) Landslides.
- ii) Geomorphic processes.

**Q. 2** What is Drainage Pattern ? Enumerate the factors affecting the development of drainage pattern and describe the important types of drainage patterns along with their geological significance.

**OR**

Write short notes on -

- i) Geomorphic features of old stage of river.
- ii) Base level of Erosion.

**Q. 3** Define glaciers by giving Indian examples and describe the glacial landforms.

**OR**

What do you mean by Arid Cycle ? Describe the aeolian landforms.

**Q. 4** What is Karst topography ? Name the important karst regions of the world. Describe the landforms seen in Karst regions.

P.T.O.

**OR**

Write short notes on -

- i) Depth zones of oceans.
- ii) Topographic features resulting from marine deposition.

**Q. 5** What is Morphometric Analysis ? Describe the various aspects of morphometry of drainage basins.

**OR**

Write short notes on -

- i) Applications of Geomorphology.
- ii) Geomorphic features of peninsular India.

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