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24-GE-21

**M.Sc. II SEMESTER [MAIN/ATKT] EXAMINATION  
JUNE - JULY 2024**

**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 five questions. Each question carries an internal choice.  
Each question carries **15 marks**.

**Q. 1** What is Landslide ? Describe the various types of landslides with the help of suitable examples. (15 Marks)

**OR**

Describe the following -

- i) Davis and Plank cycle of Erosion. (7½ Marks)
- ii) Geomorphic processes. (7½ Marks)

**Q. 2** Describe the Erosional and depositional fluvial land forms with the help of suitable sketches. (15 Marks)

**OR**

Write notes on the following -

- i) Types of Drainage Pattern. (7½ Marks)
- ii) Types of Rivers. (7½ Marks)

**Q. 3** What is Glacier ? Describe the Erosional and depositional glacial landforms with the help of suitable sketches. (15 Marks)

**OR**

Write notes on the following -

- i) Types of Glacier. (7½ Marks)
- ii) Depositional Aeolian Landforms. (7½ Marks)

**P.T.O.**

**Q. 4** Describe the topographic features resulting from marine erosion and marine deposition. (15 Marks)

**OR**

Write notes on the following -

i) Depth zones of ocean. (7½ Marks)

ii) Essential conditions for the development of Karst features. (7½ Marks)

**Q. 5** Describe the Morphometric analysis of drainage basin. Also write a note on its features and significance. (15 Marks)

**OR**

Describe the important geomorphic features of Indian sub-continent and write a note on its significance. (15 Marks)

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