

Unique Paper Code : 32191502
Name of Paper : Geomorphology
Name of Course : B.Sc. (Hons) Geology (CBCS)
Semester : V

Duration: 3 hours

Maximum Marks: 75

**Answer any four questions.
All Questions carry equal marks**

Q.1 (a) Describe two ways in which glaciers move.

(b) Define cold-based and warm-based glaciers.

(c) Explain how cirques, arêtes, and tarns are interrelated.

Q.2 (a) Explain the difference between fluid and impact thresholds.

(b) Draw a cross section of a desert pavement and explain the most commonly accepted mechanism of formation.

Q.3 (a) Explain why landslides are random in time or clustered.

(b) Explain how saprolite and colluvium differ.

Q.4 Describe how physical, chemical, and biological weathering differ.

Q.5 (a) Sketch a sea stack and a sea arch and explain how they form.

(b) Define longshore drift and explain why it is important for coastal geomorphology.

Q.6 What is the difference between an aggradational terrace and a strath terrace? Explain the process of their formation.

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