

October 2025
B.A./B.Sc.
Third Semester
MINOR – 3
GEOLOGY
Course Code: GLN 3.11
(Structural Geology & Geomorphology)

Total Mark: 50

Pass Mark: 20

Time: 2 hours

I. Answer the following questions.

1. (a) Discuss in detail the planar and linear structures formed in rocks. 12
OR
(b) Describe the orientation of planes and lines using dip, strike, rake, and plunge. 12
2. (a) Define a fold. Explain the morphology and types of folds with appropriate diagrams. 12
OR
(b) Explain the formation of joints in rocks. 12
3. (a) Elaborate the important erosional and depositional landforms produced by the action of rivers. 12
OR
(b) Give an overview of Indian geomorphology. 12

II. Answer any two of the following questions.

4. Differentiate between topographic and structural maps. 7
5. Write a note on unconformity and its types. 7
6. Explain the different types of drainage patterns with diagrams. 7