

**October 2025**  
**B.A./B.Sc.**  
**Third Semester**  
**MAJOR – 4**  
**GEOLOGY**  
*Course Code: GLM 3.21*  
(Structural Geology)

*Total Mark: 50*  
*Time: 2 hours*

*Pass Mark: 20*

*I. Answer the following questions.*

1. (a) Discuss the rule of V's and outcrop patterns. 12  
OR  
(b) How do you interpret geological maps? Write a short note on the construction of cross-sections. 12
2. (a) Discuss the concept of rock deformation. 12  
OR  
(b) Give an account of the genetic classification of folds. 12
3. (a) Write a note on the geometric classification of faults. 12  
OR  
(b) Discuss the various criteria used for recognition of faults. 12

*II. Answer any two of the following questions.*

4. Describe the representative factors of map. 7
5. Describe brittle and ductile deformation. 7
6. Explain the effects of faulting on outcrops. 7