

2009-2010  
B.Sc. (Hons.) (PART – III) EXAMINATION  
(GEOLOGY)  
STRUCTURAL GEOLOGY  
(GL-314)

Maximum Marks: 40

Duration: Three Hours

Note: Answer all questions

1. Define stress and strain. Describe stress and strain diagram with the help of suitable illustration. (07)
- OR
- 1' Write explanatory notes on the following:
  - (a) Role of solutions in deformation of rocks.
  - (b) Anisotropy and Inhomogeneity
2. Define unconformity. How do you recognize unconformities in the field and on the maps with suitable diagrams. (06)
3. Describe nomenclature of Folds. Give the mechanism of folding and their causes. (07)
4. Describe various types of fault with suitable diagram. (06)
- OR
- 4' Write notes on the following:-
  - (a) Allochthonous and Autochthonous
  - (b) Thrust and over thrust
  - (c) Longitudinal and transverse fault
5. Describe various types of cleavage with suitable sketches. Discuss the origin of slaty cleavage. (07)
- OR
- 5' Write explanatory notes on the following:-
  - (a) Boudinage
  - (b) Cleavage-bedding relationship to major structure.
6. What is joint and how is it differentiated from fault? Give a classification of joints with suitable diagrams. (07)

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