

Bachelor of Science (B.Sc.) Semester—IV (C.B.S.) Examination
GEOLOGY (Structural Geology)
Paper—II

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory and carry equal marks.

(2) Draw neat diagrams wherever necessary.

1. What are dip and strike ? Describe construction of an instrument used in measurement of dip and strike. How is this instrument used in measuring dip and strike ?

OR

What is rock deformation ? Describe various kinds of rock deformation with stress strain diagram.

2. Describe different erosional structures with neat labelled diagrams.

OR

Define Unconformity. Describe various types of unconformities.

3. What are folds ? Describe geometric classification of folds.

OR

Define joints. Describe genetic classification of joints.

4. Describe the following

- (A) Foliation
- (B) Lineation.

OR

(C) What are faults ? Describe geometric classification of faults.

5. Write on the following in not more than **two** sentences each (solve any **ten**) :

- (a) Outcrop
- (b) Bedding
- (c) Plunge
- (d) Overlap
- (e) Diapir
- (f) Topography
- (g) Axial plane of fold
- (h) Overturned fold
- (i) Columnar joint
- (j) Slickenside
- (k) Shear zone
- (l) Thrust.