

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 sketches wherever necessary.

1. (A) Draw a neat sketch of compass clinometer and describe its parts, also add a note on its use in the field.

OR

(B) What is rock deformation ? Describe various types of rock deformation.

2. (A) What are unconformities ? Describe various types of unconformities with neat diagrams.

OR

(B) Describe with neat sketches Outliers and Inliers.

3. (A) What are joints ? Describe geometric classification of joints.

OR

(B) What are folds ? Describe any four types of folds with neat sketches.

4. (A) What are faults ? Describe any four types of faults with neat sketches.

OR

(B) Describe the effects of faulting on the outcrops.

5. Write on the following in not more than two sentences (Solve any **TEN**) :—

- (A) Strike of a bed.
- (B) Apparent dip.
- (C) Plunge.
- (D) Fenster.
- (E) On lap.
- (F) Off lap.
- (G) Axis of a fold.
- (H) Tensional joints.
- (I) Columnar joints.
- (J) Shear Zones.
- (K) Foliations.
- (L) Lineations.