

**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. What is the attitude of beds ? How is it measured in the field with the help of compass clinometer ?

**OR**

What is rock deformation ? Describe various types of rock deformations.

2. Describe the following in detail :

(A) Overlap

(B) Outlier and Inlier.

**OR**

Describe the various types of unconformities and add a note on their geological significance.

3. Describe the various types of joints with respect to genetic and geometric classification.

**OR**

Define fold. Describe in detail the various parts of fold. Add a note on effects of folding on outcrops.

4. What are faults ? Describe the effects of faulting on outcrops.

**OR**

Give a brief account of various types of faults with neat sketches.

5. Write on the following in not more than **2** sentences each (attempt any **TEN**) :

(A) Strain

(B) Tension

(C) Rake

(D) Salt dome

(E) Anticlinal valley

(F) Fenster

(G) Symmetrical fold

(H) Fan fold

(I) Asymmetrical fold

(J) Hade of fault

(K) Foliation

(L) Shear zone.