

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. Describe the compass clinometer in detail and add a note on its use in the field.

OR

Write notes on the following :

- (A) Stress
- (B) Strain
- (C) Outcrops
- (D) Scope of Structural Geology.

2. Write notes on the following :

- (A) Outlier
- (B) Synclinal hill
- (C) Anticlinal valley
- (D) Fenster.

OR

Write notes on the following :

- (E) Diapir
- (F) Non-conformity
- (G) Dis-conformity
- (H) Angular Unconformity.

3. Write notes on the following :

- (A) Geometric classification of folds
- (B) Genetic classification of joints

OR

Write notes on the following :

- (C) Effects of folding on outcrops
- (D) Planar and linear structural elements.

4. Describe in detail recognition of faults in the field.

OR

Write short notes on the following :

- (A) Ductile and brittle shear zones
- (B) Horst and Graben.

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

- (A) Apparent dip
- (B) Outcrop
- (C) Strike
- (D) Klippe
- (E) Off-lap
- (F) On-lap
- (G) Asymmetric fold
- (H) Chevron fold
- (I) Recumbent fold
- (J) Net slip
- (K) Throw of fault
- (L) Lineation.