

TKN/KS/16–5864

Fourth Semester B. Sc. Examination

GEOLOGY

Paper – II

(Structural Geology)

Time : Three Hours]

[Max. Marks : 50

- N. B. : (1) All questions are compulsory and carry equal marks.
(2) Draw neat sketches wherever necessary.

1. Draw a neat sketch of compass clinometer and describe its parts. Add a note on its use in the field.

OR

What is rock deformation ? Describe various kinds of rock deformation.

2. What are unconformities ? Describe various types with neat sketches.

OR

Write notes on the following :—

- (A) Offlap
- (B) Onlap
- (C) Salt dome
- (D) Inlier.

3. What are folds ? Describe various types of folds with neat sketches.

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Contd.

OR

What are joints ? Describe the geometric and genetic classification of joints.

4. Write notes on the following :—
 - (A) Effects of fault on outcrops.
 - (B) Normal fault and thrust fault.

OR

Write notes on the following :—

- (C) Foliation, and
- (D) Lineation.

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

- (A) True dip,
- (B) Strike,
- (C) Plunge,
- (D) Klippe,
- (E) Fenster,
- (F) Anticlinal Valley,
- (G) Axis of fold,
- (H) Axis plane,
- (I) Plunge of fold,
- (J) Ductile shear zone,
- (K) Throw of fault,
- (L) Transcurrent fault.

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