

B.Sc. (CBCS Pattern) Sem-VI
020A - Geology Paper-I : Structural Geology

P. Pages : 1

Time : Three Hours



GUG/W/22/13357

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat sketches wherever necessary.

1. Describe in brief various types of rock deformations.

OR

Give a brief account of the following:

- a) Scope of structural geology
- b) Compass clinometer

2. What is an outcrop? Describe its relationship with topography.

OR

Give a brief account of the following:-

- a) Outlier and inlier
- b) Synclinal hill and anticlinal valley.

3. What are joints? Describe with neat sketches any four types of joints.

OR

Give an account of the following:-

- a) Recumbent folds
- b) Isoclinal folds

4. Give a brief account of foliations and lineations.

OR

Give a brief account of the following:-

- a) Normal fault and Reverse fault.
- b) Recognition of faults in the field

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

- a) Apparent dip
- b) True dip
- c) Outcrop
- d) Overlap
- e) Disconformity
- f) Nonconformity
- g) Chevron fold
- h) Asymmetrical folds
- i) Limbs of fold
- j) Step fault
- k) Ductile shear zone
- l) Brittle shear zone
