

B.Sc. CBCS Pattern Semester-VI  
**020A - Geology Paper-I : Structural Geology**

P. Pages : 1

Time : Three Hours



**GUG/W/23/13357**

Max. Marks : 50

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

1. Give an account of Rock Deformation.

**OR**

Give an account of the following:

- i) Scope of Structural Geology.
- ii) Compass Clinometer

2. Describe with neat sketches various types of unconformities.

**OR**

Write notes on the following:

- i) Overlap
- ii) Klippe and Fenster

3. Give an account of effects of folding on outcrop.

**OR**

Describe the following:

- i) Recumbent fold
- ii) Isoclinal folds

4. Describe the effects of faulting on outcrops with neat diagram.

**OR**

Write short notes on the following:

- i) Foliations
- ii) Genetic classification of faults.

5. Write on each of the following in not more than two sentences. Solve **any ten**.

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|------------------------|------------------------|
| a) True dip            | b) Apparent dip        |
| c) Plunge              | d) Inlier              |
| e) Outlier             | f) Anticlinal valley   |
| g) Chevron fold        | h) Columnar joints     |
| i) Shear joints        | j) Ductile shear zones |
| k) Brittle shear zones | l) Horst               |

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