

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

P. Pages : 1

Time : Three Hours



**GUG/W/24/13357**

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 on types of forces, stress and strain.

**OR**

Describe the following :

- a) Dip and Strike
- b) Compass clinometer.

2. Describe with neat sketches various types of unconformities.

**OR**

Write notes on the following :

- a) Offlap and Onlap.
- b) Diapirs.

3. What are joints ? Give an account of genetic classification of joints.

**OR**

Describe in brief :

- a) Effects of folding on outcrops.
- b) Recumbent fold.

4. What are faults? Describe with neat sketches geometric classification of faults.

**OR**

Give an account of the following:

- a) Recognition of faults in field.
- b) Map symbols for structural features.

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

- |                         |                     |
|-------------------------|---------------------|
| a) Rake                 | b) Outcrop          |
| c) Plastic Deformation. | d) Outlier          |
| e) Inlier               | f) Klippe           |
| g) Anticline            | h) Syncline         |
| i) Isoclinal folds      | j) Throw of a fault |
| k) Kinds of Lineations  | l) Fault plane      |

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