

B.Sc. Semester-II Examination, 2022-23**GEOLOGY [Honours]****Course ID : 22012 Course Code : SH/GEL/202/C-4(T)****Course Title : Structural Geology**

Time : 1 Hour 15 Minutes

Full Marks : 25

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*1. Answer any **five** of the following questions:

1×5=5

- Define anelastic deformation.
- Define ene'chelon fault.
- What is nonconformity?
- What is ac-joint?
- What is shear strain?
- Define antiformal syncline?
- What is fan fold?
- Define horst.

2. Answer any **two** of the following questions:

5×2=10

- Briefly describe the importance of joints in geological studies.
- Give a comprehensive classification of faults with sketches, based on the attitude of net slip.
- Define with sketches: (i) dip isogon, (ii) overturned fold 2½×2=5
- Mention the criteria to discriminate between shear and tension joints.

3. Answer any **one** of the following questions:

10×1=10

- Describe with sketches the different types of secondary lineation in rocks.
 - Describe with sketches the minor structures associated with faults.
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