

M.Sc. Part—I Semester—I (C.B.C.S. Scheme) Examination
GEOLOGY
(Structural Geology and Tectonics)
Paper—II

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat diagrams wherever necessary.

1. Write in brief on the following :—

- (a) Behaviour of rocks under deformation condition.
- (b) Principal stresses.

OR

- (c) Strain ellipsoid.
- (d) Stress components.

2. Write in brief about classification of faults and fault geometry.

OR

Explain in detail about strike-slip fault system and shear zones.

3. Write in brief on the following :—

- (a) Fold geometry.
- (b) Fold orientation.

OR

- (c) Mechanism of folding.
- (d) Lineaments and fabrics.

4. Discuss in detail about significance of igneous bodies in structural geology.

OR

Give an account of mode of emplacement of large intrusions.

5. Write in brief on the following :—

- (a) Continents and oceans.
- (b) Oceanic ridges and trenches.

OR

- (c) Mountain ranges.
- (d) Island arcs.

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