

AQ - 844

**First Semester M.Sc. (Part - I) (CBCS Pattern)
Examination**

GEOLOGY

Paper - II

(Structural Geology and Tectonics)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 80

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

(2) Draw neat sketches wherever necessary.

1. Write in detail about the rock deformation and factors affecting rock deformation.

OR

Write about the concept of strain and volume changes during deformation.

2. Write notes on the followings :—

(a) Rock fractures

(b) Fault geometry and nomenclature.

OR

(c) Joints

(d) Fault associations.

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3. Explain the different classifications of folds.

OR

Explain mechanism of folding in detail.

4. Write notes on the following :—

- (a) Large scale structures.
- (b) Emplacement of cone sheets and radial dykes.

OR

- (c) Structures found in igneous bodies.
- (d) Emplacement of dykes and sills.

5. Write in brief on the following :—

- (a) Mountain ranges.
- (b) Subduction zones.

OR

- (c) Orogeny and epigeny.
- (d) Stable and unstable tectonic zones.

