

B.Sc. (with Credits)-Regular-Semester 2012 Sem VI
B.Sc.4524-Geology-I : Paper-I (Structural Geology)

P. Pages : 2

Time : Three Hours



GUG/W/16/5641

Max. Marks : 50

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

1. Describe the concept of rock deformation.

OR

Describe outcrop and their relationship with topography.

2. Describe the effects of folding on outcrops. Add a note its recognition in field.

OR

What is lineation. Describe various kinds of lineation and their origin.

3. Describe the following-

- a) Scope of structural Geology.
- b) Inlier.
- c) Overturned fold.
- d) Foliation

OR

Describe the following.

- e) Clinometer compass.
- f) Anticlinal valley.
- g) Symmetrical folds.
- h) Normal fault.

4. Write short notes on the following-

- a) Dip and strike.
- b) Offlapp
- c) Master joints.
- d) Horst and graben

OR

Write short notes on the following-

- e) Rake
- f) Diapirs
- g) Genetic classification of joints
- h) Step fault.

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

- a) Definition of structural Geology.
- b) Outcrop.
- c) Tensional forces.
- d) Onlapp.
- e) Disconformity.
- f) Nappe.
- g) Isoclinal fold
- h) Axial plane of fold
- i) Mural joint
- j) Hade of fault
- k) Ductile shear
- l) Foot wall.
