

B.Sc. (With Credits)-Regular-Semester 2012 Sem IV  
**B.Sc.24101-Geology-I Paper-I (Sedimentary Petrology and Metamorphic Petrology)**

P. Pages : 2

Time : Three Hours



**GUG/W/16/5606**

Max. Marks : 50

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

1. Discuss in detail the processes involved in the formation of sedimentary rocks.

**OR**

Describe various chemical sedimentary deposits.

2. Describe in detail the various agents of Metamorphism.

**OR**

Describe the products of thermal metamorphism of impure limestone.

3. Write short notes on the following :-

- a) Clastic texture.
- b) Conglomerates.
- c) Depth zones of metamorphism.
- d) Migmatization.

**OR**

Write short notes on the following: -

- e) Graded bedding.
- f) Sandstones.
- g) Gneiss.
- h) Metamorphic facies.

4. Describe the following :-

- a) Non clastic texture.
- b) Bauxite.
- c) Maculose structure.
- d) Grade of Metamorphism.

**OR**

Describe the following : -

- e) Stratification.
- f) Terra Rossa.
- g) Schistose structure.
- h) Granitization.

5. Write on the following in not more than two sentences solve **any ten**.

- a) Mudcracks.
- b) Current bedding.
- c) Rain print.
- d) Definition of Argillaceous rocks.
- e) Radiolarian ooze.
- f) Lignite.
- g) Definition of Metamorphism.
- h) Relict texture.
- i) Gondite.
- j) Tourmalinization.
- k) Lit-Par-Lit Injections.
- l) Pneumatolysis.

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