

B.Sc. (CBCS Pattern) Semester - IV  
**USGEOT07 - Geology Paper-I (Sedimentary Petrology and  
Metamorphic Petrology)**

P. Pages : 1

Time : Three Hours



**GUG/S/23/12010**

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 various processes involved in the formation of sedimentary rocks.

**OR**

Write brief notes on the following.

- i) Stratification and lamination.
- ii) Mineralogy of sedimentary rocks.

2. Give an account of rudaceous rocks and argillaceous rocks.

**OR**

Write brief notes on the following.

- i) Chemically formed sedimentary rock
- ii) Residual sedimentary deposit.

3. Describe various textures of metamorphic rocks.

**OR**

Write brief notes on the following.

- i) Schistose and Gneissose structure.
- ii) Crystalloblastic and palimpsest texture.

4. Give an account of facies of metamorphism.

**OR**

Write brief notes on the following.

- i) Zones of metamorphism.
- ii) Metasomatism.

5. Write on the following in not more than TWO sentences (Solve **any ten**):

- |                     |                        |
|---------------------|------------------------|
| a) Mud Cracks       | b) Non clastic texture |
| c) Rain Prints      | d) Greywacke           |
| e) Arkose           | f) Durain              |
| g) Radiolarian Ooze | h) Guano               |
| i) Lignite          | j) Isograd             |
| k) Index minerals   | l) Granitization       |

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