

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

P. Pages : 1

Time : Three Hours



**GUG/W/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. What is a Sedimentary rock? Describe Major primary structural features of sedimentary rocks.

**OR**

Write brief notes on the following.

- i) Lithification and diagenesis.
- ii) Sedimentary texture.

2. Give an account of residual sedimentary deposits.

**OR**

Write brief notes on the following.

- i) Clastic sedimentary rocks.
- ii) Organically formed sedimentary rock.

3. What is metamorphism? Give an account of any four kinds of metamorphism.

**OR**

Write brief notes on the following.

- i) Foliated metamorphic rocks.
- ii) Schistose and Gneissose structure.

4. Discuss the concept of facies in metamorphism with suitable examples.

**OR**

Write brief notes on the following.

- i) Depth Zones of metamorphism.
- ii) Granitization.

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

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|-----------------------|---|
| a) Tracks and Trails. | b) Allogenic minerals.                      |
| c) Lithofacies.       | d) Kankar.                                  |
| e) Stalactites.       | f) Concretions.                             |
| g) Uniform pressure.  | h) Name any two chemically active reagents. |
| i) Mosaic structure.  | j) Gondite.                                 |
| k) Metasomatism.      | l) Migmatite.                               |

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