

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**):

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|---------------------|------------------------|
| 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 |
