

**USGEOT07 - 7 - Geology Paper-I : Sedimentary Petrology and Metamorphic Petrology**

P. Pages : 1

Time : Three Hours



**GUG/W/22/12010**

Max. Marks : 50

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

1. Describe various processes involved in the formation of sedimentary rocks.

**OR**

Give a brief account of the following:

- a) Stratification and lamination
- b) Sedimentary facies

2. Describe in brief chemical sedimentary deposits.

**OR**

Give a brief account of the following:

- a) Rudaceous rocks.
- b) Arenaceous rocks

3. What is metamorphism? Describe various agents of metamorphism.

**OR**

Give a brief account of the following:

- a) Metamorphic textures
- b) Slate and phyllite

4. What is metasomatism? Describe various processes of metasomatism.

**OR**

Give a brief account of the following:

- a) Grades of metamorphism
- b) Any two facies of metamorphism.

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

- a) Graded bedding
- b) Mudcracks
- c) Tracks and trails
- d) Guano
- e) Radiolarian ooze
- f) Lignite
- g) Marble
- h) Granulose structure
- i) Quartzite
- j) Epizone
- k) Index minerals
- l) Mesozone

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