

M.Sc.(Geology) (CBCS Pattern) Semester - II  
**PSCGEOT05 - Paper-I : Sedimentology Geostatistics &  
Computer Application in Geology**

P. Pages : 2

Time : Three Hours



**GUG/S/23/11207**

Max. Marks : 80

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

1. Describe on classification and composition of conglomerates.

**OR**

Write short notes on :

- a) Arenite
- b) Sparry calcite
- c) Shale
- d) Trough cross-bedding.

2. Give a detailed account of heavy mineral study to confirm provenance.

**OR**

Write short notes on :

- a) Paleocurrent
- b) Lithification
- c) Neomorphism
- d) Phosphatic rocks

3. Describe in detail the marine sedimentary environments.

**OR**

Write short notes on :

- a) Lacustrine environment.
- b) Point bar deposits
- c) Supratidal deposits
- d) Talchir sediments.

4. Give detailed account of computer softwares used in earth sciences.

**OR**

Write short notes on :

- a) Mode
- b) Kurtosis
- c) Binomial distribution
- d) Surfer

5. Write short notes on :

- a) Sole marks
- b) Traction
- c) Recrystallization
- d) Anhydrite
- e) Facies analysis
- f) Penganga limestones
- g) ArcGIS
- h) Autocad

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