

M.Sc. (Geology) (NEP Pattern) Semester-II
**PSCGEOT04 - Paper-I - Sedimentology, Geostatistics &
Computer Application in Geology**

P. Pages : 2

Time : Three Hours



GUG/S/25/15390

Max. Marks : 80

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

1. Describe texture of sedimentary rocks and their significance in details. 16

OR

Write short notes on-

- a) Liberation of Sediments. 4
- b) Conglomerate. 4
- c) Carbonate rocks. 4
- d) Sandstone. 4

2. Discuss the detail process of Diagenesis. 16

OR

Write short notes on-

- a) Heavy Minerals. 4
- b) Evaporites. 4
- c) Siliceous Rocks. 4
- d) Ferruginous Rocks. 4

3. Discuss the Sedimentary Basins of India in details. 16

OR

Write short notes on-

- a) Sedimentary Environment 4
- b) Alluvial Facies 4
- c) Glacial Facies 4
- d) Facies Analysis 4

4. Discuss the application of geostatistical techniques to earth sciences in details. **16**

OR

Write short notes on-

- a) Probability. **4**
- b) Skewness. **4**
- c) ArcGIS. **4**
- d) Aquachem. **4**

5. Write short notes on following- **16**

- a) Rain Print
- b) Cross Bedding
- c) Paleocurrent
- d) Provenance
- e) Lacustrine Environment
- f) Aeolian Facies
- g) Mode
- h) Median
