

M.Sc.(Geology) (NEP Pattern) Semester-I
NEP-55 / RMGEOT05 - Paper-V : Research Methodology in Geology

P. Pages : 2

Time : Three Hours



GUG/W/24/15111

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 in details on geological mapping.

OR

- a) Topographic Maps.
- b) Geological symbols for geological mapping.
- c) Base map.
- d) Mapping methods in sedimentary terrain.

2. Give a detail account of common operating systems.

OR

Write a note on the following.

- a) Petrograph.
- b) Surfer.
- c) Aquachem.
- d) QGIS.

3. Give details about Random variables, discrete & continuous probability distribution.

OR

Write a note on the following.

- a) Universe.
- b) Population.
- c) Mode.
- d) Coefficient of variability.

4. Give a detail account of Atomic absorption spectrophotometry.

OR

Write a note on the following.

- a) Sample etching.
- b) SEM.
- c) TEM.
- d) Mass spectrometry.

5. Write a short note on the following.

- a) Mapping methods in igneous terrain.
- b) Mapping methods in metamorphic terrain.
- c) Elvis.
- d) Tilia.
- e) Geometric mean.
- f) Skewness.
- g) Staining.
- h) Inductively coupled plasma.
