

M.Sc. (Geology) (CBCS Pattern) Third Semester
PSCGEOT10 – Geomorphology, Remote Sensing and GIS Paper-II

P. Pages : 2

Time : Three Hours



GUG/W/18/11271

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 detail Geomorphic features and zones of India.

OR

Write short notes on:-

- a) Peneplanation
- b) Drainage basin morphometry
- c) Tectonic landforms
- d) Geomorphic concepts.

2. Describe in detail calculations of heights and slopes from aerial photographs.

OR

Write short notes on:-

- a) Film and filter
- b) Stereoscopy
- c) Black and grey body radiation
- d) Principles of photogrammetry

3. Describe in detail principle of microwave remote sensing and its applications.

OR

Write short notes on:-

- a) Remote sensing sensor
- b) Image classification
- c) Sensor resolution
- d) SKYLAB

4. Describe in detail introduction to GIS and remote sensing software.

OR

Write short notes on:-

- a) Buffer analysis
- b) Data for GIS application
- c) Geospatial data
- d) Terrain analysis

5. Write short notes on:

- a) Rejuvenation '
- b) Endogenous forces
- c) Radiation laws
- d) Atmospheric effect in remote sensing
- e) FCC
- f) SPOT
- g) Raster based GIS
- h) Visualization
