

M.Sc. (Geology) (CBCS Pattern) Sem-III
PSCGEOT10 - Geomorphology, Remote Sensing and GIS Paper-II

P. Pages : 1

Time : Three Hours



GUG/W/22/11271

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 drainage basin morphometry.
OR

Write short notes on:-

- Role of lithology
- Rejuvenation of landforms.
- Soil formation.
- Karst landforms.

2. Describe in detail aerial photo interpretation.
OR

Write short notes on:-

- Black and grey body radiation.
- Stereoscopy
- Vertical exaggeration.
- Principles of photogrammetry.

3. Describe in detail geological application of remote sensing.
OR

Write short notes on:

- Microwave sensor.
- Image rectification.
- TIR remote sensing.
- LANDSAT.

4. Describe in detail geological application of GIS.
OR

Write short notes on:

- Buffer analysis.
- Vector overlay analysis.
- Geospatial data.
- Terrain analysis.

5. Write short notes:
- Slope processes.
 - Exogenous forces
 - Film and filter
 - Classification of aerial photography
 - SEASAT
 - IRS Series
 - Raster based GIS
 - Data structure
