

M.Sc. (Geology) (Part-II) Third Semester Old Course
MSc2383 - Geomorphology, Remote Sensing & GIS Paper-III

P. Pages : 2

Time : Three Hours



GUG/W/18/2268

Max. Marks : 80

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

1. Discuss in detail about various linear and aerial parameters of basin morphometry.

OR

Write brief notes on the following.

- a) Alluvial plain
- b) Karst topography
- c) Endogenic processes
- d) Soil formation

2. Write in detail about tone, texture and pattern of aerial photo used for interpretation of various geological features.

OR

Write brief notes on the following

- a) Black and grey body radiation
- b) Stereoscopy
- c) Film and filter
- d) Photogrammetry

3. Write in detail about the principle of microwave remote sensing and its applications.

OR

Write in brief on the following.

- a) Sensors
- b) False colour composite
- c) SEASAT
- d) Image rectification

4. Write in detail about principles and applications of GIS.

OR

Write short notes on the following.

- a) Buffer analysis.
- b) DEM
- c) Geospatial data.
- d) Line generation

5. Write short notes on the following.

- a) Coastal landforms.
- b) Exogenous forces responsible for the landform development.
- c) EMR
- d) Atmospheric effect in remote sensing.
- e) Image enhancement.
- f) Orbit of a satellite.
- g) Vector overlay analysis
- h) GPS
