

B.Sc. (With Credits)-Regular-Semester 2012 Sem V  
**B.Sc. 3523 – Geology**  
**Paper-II (Elements of Remote Sensing and Geomorphology)**

P. Pages : 2

Time : Three Hours



**GUG/W/16/3368**

Max. Marks : 50

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

1. Describe the following:
- a) Pocket Stereoscope.
  - b) Mirror Stereoscope.

**OR**

Describe the various recognition elements used in the study of aerial photos.

2. "Present is key to the past". Discuss with examples.

**OR**

Describe various karst topographic features.

3. Describe the following.
- a) Mosaics.
  - b) Photographic expression of dyke in aerial photograph.
  - c) Buried land forms.
  - d) Fault Scrap.

**OR**

Write brief notes on the following.

- e) Vertical & oblique photos.
- f) Recognition of extrusive igneous rocks in aerial photos.
- g) Mass wasting.
- h) Applied geomorphology.

4. Write brief notes on the following.
- a) Scope of Remote sensing in Geology.
  - b) Photographic expression of sills in aerial photographs.
  - c) Rectangular drainage pattern.
  - d) Ground moraines and terminal moraines.

**OR**

Write notes on the following.

- e) Over lap and side lap.
  - f) Recognition of faults in aerial photos.
  - g) Composite land forms.
  - h) Sand dunes.
5. Write on the following in not more than two sentences solve **any ten**.
- a) Aerial photography.
  - b) Drift.
  - c) Crab.
  - d) Recognition of folds in aerial photographs.
  - e) Recognition of unconformities in aerial photographs.
  - f) Photographic expression of lava flows.
  - g) Profile of equilibrium.
  - h) Nick point.
  - i) River terraces.
  - j) Cirque.
  - k) Resequent rift block valleys.
  - l) Loess.

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