

M.Sc. (Part—I) Semester—I (CBCS Scheme) Examination
MGI-101 : GEOINFORMATICS
(Principles of Remote Sensing)

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. Write in detail about the spectral reflectance pattern of different regions of EMR platforms.

OR

Describe in brief about resolution of sensors. Add a note on spectral, spatial, radiometric and temporal resolution.

2. Write in brief on the following :

- (a) Stereoscopic viewing
- (b) Aerial cameras.

OR

- (c) Types of photographs
- (d) Elements of photographs.

3. Write in brief on the following :

- (a) Annotation
- (b) Referencing system.

OR

- (c) Visual data products
- (d) Digital data products.

4. Describe in detail about the Thermal IR detection and imaging and its applications.

OR

Give an account of thermal properties of materials and emissivity of materials.

5. Write in brief on the following :

- (a) Disaster Management
- (b) Urban Planning.

OR

- (c) Remote sensing applications in soil
- (d) Watershed management.

