AQ – 851

First Semester M. Sc. (Part – I) Examination

(CBCS Pattern)

GEOINFORMATICS

Paper – MGI – 101

(Principles of Remote Sensing)

P. Pages : 3

Time : Three Hours]   [Max. Marks : 80

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

(2) Draw neat sketches wherever necessary.

1. Write in detail about atmospheric windows and add a note on Energy interaction with earth surface features.

OR

Describe in brief the significance of spatial, spectral, radiometric and temporal resolution and its applications in geoinformatics.

2. Write in brief on the following :—

(a) Stereoscopic viewing.

(b) Types of photographs.

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OR

(c) Principles of photography.

(d) Aerial cameras.

3. Write in brief on the following :—

(a) Orbit system.

(b) Visual and digital standards.

OR

(c) Annotation.

(d) Image interpretation elements.

4. Describe in detail the Thermal properties of materials and their applications in geosciences.

OR

Give an account of thermal IR detection and imaging and their applications in GIS.

5. Write in brief on the following :—

(a) Remote sensing applications in Disaster management.

(b) Remote sensing applications in Land use/ land cover.

OR

(c) Remote sensing applications in soils.

(d) Remote sensing applications in urban planning.

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