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MGY-102

**POST GRADUATE DIPLOMA IN
GEOINFORMATICS (PGDGI)**

Term-End Examination

June, 2023

**MGY-102 : REMOTE SENSING AND IMAGE
INTERPRETATION**

Time : 2 Hours

Maximum Marks : 50

Note : *All questions are compulsory. Marks for each question are indicated against it.*

1. Write short notes on any *four* of the following :

4×5=20

- (a) Remote sensing system
- (b) Energy-atmosphere interaction
- (c) Spectral signature of vegetation
- (d) Orbits and their types
- (e) Aerial photographs
- (f) Types of digital images

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2. (a) Discuss in detail about image resolution and its types. 10

Or

- (b) Describe various types of remote sensing data products.

3. (a) Describe the elements of visual image interpretation giving suitable examples and illustrations. 10

Or

- (b) Explain planning and collection of ground truth data in detail.

4. (a) What is image enhancement ? Discuss in detail the techniques used to enhance images. 10

Or

- (b) Mention the different types of image classification. Discuss any *one* type in detail.