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MGY-102

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

Term-End Examination

December, 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) Types of aerial photographs
- (b) Image interpretation keys
- (c) Sampling patterns used in ground truth data collection
- (d) Remote sensing system
- (e) Image resolution
- (f) Supervised image classification

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2. (a) Discuss in detail, energy-earth interaction by giving suitable illustrations. 10

Or

- (b) Describe the spectral signatures of soil and water. 10

3. (a) Discuss various types of multispectral scanning systems. 10

Or

- (b) Discuss Indian remote sensing satellites series. 10

4. (a) Discuss in detail, image transformation techniques. 10

Or

- (b) What is Kappa coefficient ? Describe various steps involved in its calculation. Add a note on the advantages of Kappa coefficient. 10