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MGY-102

POST GRADUATE DIPLOMA IN

GEOINFORMATICS / M. SC.

(GEOINFORMATICS) (PGDGI/MSCGI)

Term-End Examination

December, 2024

**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
- (b) Properties of EMR
- (c) Energy-Earth interaction
- (d) Spectral Signature of Water
- (e) Data format and its types
- (f) Types of aerial photographs

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2. (a) What is sensor system ? Discuss in detail the multispectral imaging sensor system. 10

Or

(b) What do you understand by image resolution ? Describe its types.

3. (a) Discuss the elements of visual image interpretation giving suitable diagrams. 10

Or

(b) What is landuse/landcover ? Explain the steps involved in generating landuse/land-cover maps.

4. (a) Discuss the types and characteristics of digital images. Add a note on image histogram and its significance. 10

Or

(b) Discuss in detail the various image pre-classification methods.

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