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MGY-002

**POST GRADUATE CERTIFICATE IN
GEOINFORMATICS
(PGCGI)**

Term-End Examination

December, 2025

**MGY-002 : REMOTE SENSING AND IMAGE
INTERPRETATION**

Time : 2 Hours

Maximum Marks : 50

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

1. Write short notes on any six of the following : 6×5=30
 - (a) Electromagnetic spectrum
 - (b) Interaction of light with water
 - (c) Relationship between different types of resolutions

- (d) Japanese Earth Resource Satellites
 - (e) Steps in producing a landuse land cover map
 - (f) Image histogram and its importance
 - (g) Image fusion
 - (h) Spatial enhancement
2. What is spectral signature ? Discuss spectral signature of vegetation. 10

Or

Explain orbits and their types. Give neat and well-labelled diagrams, wherever necessary.

3. What do you understand by ground truth data ? Discuss in detail the various types of ground truth data. 10

Or

Give an account of radiometric distortions and their correction techniques.

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