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**MGY-002**

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

**Term-End Examination**

**June, 2024**

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

*Time : 2 Hours*

*Maximum Marks : 50*

**Note :** All questions are compulsory. Questions have internal choices. The marks of each question are indicated against it.

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

6×5=30

- (a) Planck's law
- (b) Spectral signature of water
- (c) Types of sensors
- (d) Resolutions in microwave remote sensing
- (e) JERS
- (f) Elements of visual image interpretation

**P.T.O.**

(g) LULC classification system

(h) Do's and Dont's of ground truth data collection.

(i) Nature of geometric errors

(j) Limitations of error matrix for accuracy assessment.

2. (a) What do you understand by electro-magnetic radiation ? Discuss in detail energy-earth interaction. 2+8=10

*Or*

(b) Give an accounts of Indian space programmes. 10

3. (a) Define digital image. Discuss types of digital images. Add a note on the concept of FCC. 2+4+4=10

*Or*

(b) What do you understand by image classification ? Explain supervised classification method with emphasis on signature evaluation. 2+8=10

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