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**MGY-001**

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

**Term-End Examination**

**MGY-001 : INTRODUCTION TO  
GEOINFORMATICS**

*Time : 2 Hours]*

*[Maximum Marks : 50*

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**Note:** All questions are compulsory. Internal choices are given in question number 2 to 4. The marks of each questions are indicated against it.

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1. Answer all parts: 3x1=3
- a. Fill in the blank spaces with appropriate word(s).
- (i) Global Positioning System is a constellation of about ..... satellites orbiting the earth at an altitude of around 20,200 km.
- (ii) SLAR stands for .....
- (iii) NRSC stands for .....
- b. State if the following statements are True (T) or False (F): 3x1=3
- (i) Secondary data refers to data collected by the first hand field work and survey.
- (ii) Satellite imagery represents raster data.
- (iii) ArcGIS is an example of free and open source software.

- c. Match the items given in Column A with those given in Column B: 4x1=4

Column A	Column B
(i) Small scale map	(1) NDVI
(ii) Large scale map	(2) NOAA - AVHRR
(iii) Crop identification	(3) Wall map
(iv) PFZ identification	(4) Topographical map

2. Write short notes on any four of the following: 4x5=20
- Photogrammetry
  - Enterprise GIS
  - Raster data
  - Types and utilities of Geo spatial tools
  - Universal Transverse Mercator projection
  - E-Governance related applications (any five) of Geoinformatics.
  - Applications of Geoinformatics in disaster management.
3. Mention the name of different National agencies utilising Geoinformatics technologies and discuss in detail any four of them. 10

**Or**

What is centour? Discuss in detail the role of Centours in identification of various physical features on a topographical map with the help of neat diagram. 10

4. What is data product? Discuss the types of data products in detail. 10

**Or**

Briefly discuss the role of Geoinformatics in rural and urban planning. 10

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