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

Term-End Examination

June, 2024

**MGY-001 : INTRODUCTION TO
GEOINFORMATICS**

Time : 2 Hours

Maximum Marks : 50

Note : *All questions are compulsory. Internal choices are given in questions no. 2 to 4. The marks for each question is indicated against it.*

1. Answer all parts :

(a) Fill in the blanks with appropriate word(s) :

3×1=3

- (i) FCC stands for
- (ii) Agricultural land category falls in level according to the landuse and landcover classification scheme of ISRO.

(iii) spatial resolution satellite data is used for planning and managing urban environment.

(b) State if the following statements are True (T) or False (F) : $3 \times 1 = 3$

(i) ERDAS Imagine is an open source GIS software.

(ii) WGS 84 datum is used for measuring topographical elevation and bathymetric depth.

(iii) Ellipsoidal model is commonly used to prepare topographical maps.

(c) Match the terms given in Column A with those given in Column B : $4 \times 1 = 4$

Column A

Column B

(i) Panchromatic
imaging system

(1) MODIS

(ii) Superspectral
imaging system

(2) SAARTHY

(iii) Mobile GIS

(3) SRTM

(iv) Digital elevation
model data

(4) Cartosat

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2. Write short notes on *any four* of the following :

4×5=20

- (a) Trends in geoinformatics education.
- (b) Data processing
- (c) Sources of raster data
- (d) Types of maps
- (e) Universal transverse mercator map projection
- (f) Role of geoinformatics in business management

3. (a) Define the term 'geoinformatics' and give an account of its components. 10

Or

(b) What is data product ? Describe types of remote sensing data products. 10

4. (a) Discuss the procedure for identifying physical features from a topographical map giving suitable diagrams. 10

Or

(b) Discuss in detail, the role of geoinformatics in the management of natural and man-made disasters. 10
