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MGY-001

**POST GRADUATE CERTIFICATE IN
GEOINFORMATICS**

(PGCGI)

Term-End Examination

December, 2025

**MGY-001 : INTRODUCTION TO
GEOINFORMATICS**

Time : 2 Hours

Maximum Marks : 50

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

1. Answer all parts :

(a) Give full form of the following abbreviations : 4×1=4

(i) LBS

(ii) MSS

(iii) SDSS

(iv) WGS 84

- (b) Match the items given in Column A with most appropriate one given in Column B : 6×1=6

Column A	Column B
(i) Landuse	(1) Cloud Coverage Measurement
(ii) HYDRO1K	(2) Earth model
(iii) Data format	(3) E-governance infrastructure
(iv) Ellipsoid	(4) DEM Data
(v) State data Centre	(5) Cultivable Land
(vi) AVHRR	(6) Band Sequential

2. Write short notes on any *four* of the following : 4×5=20
- (a) Growth of Geoinformatics in India
 - (b) Global Positioning System
 - (c) Comparison of Raster and Vector Data
 - (d) Map Scale and its methods of representation
 - (e) Contour representation for different landforms

(f) Applications of Geoinformatics in Water Resources Management

3. (a) What is Geoinformatics ? Discuss in detail the recent trends in the fields of remote sensing and GIS. 10

Or

(b) What are Geospatial Data Analysis Tools ? Give an account of COTS and FOS Software. 10

4. (a) Explain the role of Geoinformatics in disasters studies. 10

Or

(b) Discuss in detail the different classes of map projection. Support your answer with suitable diagrams. 10

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