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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

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

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 : $4 \times 5 = 20$

- (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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