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MGY-001

**POST GRADUATE CERTIFICATE IN
GEOINFORMATICS**

(PGCGI)

Term-End Examination

June, 2026

**MGY-001 : INTRODUCTION TO
GEOINFORMATICS**

Time : 2 Hours

Maximum Marks : 50

Note : (i) *All questions are compulsory.*

(ii) *Internal choices are given in
Question Nos. 2 to 4.*

(iii) *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) GAGAN

(ii) GRACE

(iii) SRTM

(iv) LISS

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

Column A**Column B**

- | | |
|-------------------------------|---|
| (i) Horizontal datum | (a) Digital satellite images |
| (ii) Built-up | (b) Ground survey data |
| (iii) State wide area network | (c) WGS 84 |
| (iv) Raster data | (d) FOSS |
| (v) Vector data | (e) Towns |
| (vi) ILWIS | (f) Advanced telecommunication infrastructure |

2. Write short notes on any *four* of the following : 4×5=20

- (a) Web GIS
- (b) Sources of raster data

- (c) Geospatial data and its types
 - (d) Applications of geoinformatics in atmospheric studies
 - (e) Applications of geoinformatics in agriculture
 - (f) UTM map projection
3. (a) Discuss in detail the various components of geoinformatics. 10

Or

- (b) What is data product ? Describe different types of remote sensing data products.
4. (a) What is a Contour ? How are different types of slopes and landforms represented by contours ? Support your answer with suitable diagrams. 10

Or

- (b) Explain the role of geoinformatics in natural resources management.

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