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MGY-103

**POST GRADUATE CERTIFICATE IN
GEOINFORMATICS (REVISED) /
POST GRADUATE DIPLOMA IN
GEOINFORMATICS /
M.Sc. (GEOINFORMATICS) [PGCGI
(REVISED)/PGDGI/MSCGI]
Term-End Examination**

June, 2026

**MGY-103 : GLOBAL NAVIGATION SATELLITE
SYSTEM AND GEOGRAPHIC INFORMATION
SYSTEM**

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 for each question are
indicated against it.*

1. Write short notes on any *four* of the following : 4×5=20
 - (a) Segments of GNSS
 - (b) Applications of GNSS in navigation
 - (c) Attribute data management
 - (d) Advantages and disadvantages of vector data
 - (e) Map digitization
 - (f) TIGER model
2. Discuss the various measuring techniques used by most GPS survey receivers. 10

Or

What is Data Quality ? Discuss the components of data quality.

3. What is spatial data structure ? Elaborate the raster data structure. 10

Or

Describe the methods of reclassification operation for raster data analysis.

[3]

4. Explain the various methods of *in-situ* data collection required for any GIS project. 10

Or

What is Spatial Analysis ? Describe the elements of spatial analysis.

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