

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

Term-End Examination

June, 2025

**MGY-003 : GLOBAL NAVIGATION SATELLITE
SYSTEM AND GEOGRAPHIC INFORMATION
SYSTEM**

Time : 2 Hours

Maximum Marks : 50

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

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1. (a) Discuss the GPS field survey procedures that should be performed at each point on a GPS survey. 5
 - (b) Give a brief account of the components of GIS. 5

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

- (a) Geocoding and geotagging
- (b) Geo-visualisation
- (c) Hierarchical database model
- (d) History of GNSS
- (e) Data accuracy and consistency
- (f) Overlay methods

3. Discuss the various methods of data conversion in GIS. 10

Or

Discuss the topological and non-topological structure of vector GIS data storage. 5+5

4. Discuss the sources of errors in GPS observation. 10

Or

Explain topological GIS models with suitable examples. 10

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