

No. of Printed Pages : 3

MGY-103

POST GRADUATE DIPLOMA IN

GEOINFORMATICS/M. SC.

(GEOINFORMATICS)

(PGDGI/MSCGI)

Term-End Examination

June, 2025

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

Time : 2 Hours

Maximum Marks : 50

Note : *All questions are compulsory. Question Nos. 2 to 4 have internal choices. The marks for each question are indicated against it.*

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

- (a) Trilateration
- (b) Applications of GIS
- (c) Geocoding and Geotagging
- (d) Advantages and disadvantages of vector data
- (e) Types of geodatabase
- (f) Devices used for vector data input

2. (a) Discuss the *three* segments of GNSS.
List the applications of GNSS. 10

Or

- (b) What is data quality ? Discuss the components of data quality.
3. (a) Discuss the key components of GIS. 10

[3]

Or

(b) What are spatial data standards ?

Discuss the Topologically Integrated Geographic Encoding and Referencing (TIGER) model and write its advantages and disadvantages.

4. (a) Explain the various methods of *in-situ* data collections. 10

Or

(b) Describe in brief *two* methods of overlay operations.

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