

No. of Printed Pages : 2

**MGY-103**

**POST GRADUATE DIPLOMA IN  
GEOINFORMATICS (PGDGI)**

**Term-End Examination**

**December, 2023**

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

*Time : 2 Hours*

*Maximum Marks : 50*

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**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.*

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1. Write short notes on any *four* of the following :

4×5=20

- (a) Trilateration
- (b) Types of GNSS receivers
- (c) Elements of GIS
- (d) Geocoding

**P. T. O.**

[ 2 ]

(e) Data Connectivity

(f) Line-in-polygon overlay

2. Discuss in detail the Indian GNSS programmes. 10

*Or*

What are raster and vector data models ? Explain their advantages and disadvantages.

3. What is reference framework ? Explain translation and rotation with suitable diagrams. 10

*Or*

Discuss in detail the basics of map design.

4. Discuss in detail the GPS field survey procedures. 10

*Or*

Discuss in detail about *in-situ* data collection.