

No. of Printed Pages : 3

**MGY-103**

**POST GRADUATE CERTIFICATE  
IN GEOINFORMATICS/ (REVISED)/POST  
GRADUATE DIPLOMA IN  
GEOINFORMATICS/  
M. SC. GEOINFORMATICS  
(PGCGI/PGDGI/MSCGI)**

**Term-End Examination  
December, 2025**

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

*Time : 2 Hours*

*Maximum Marks : 50*

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***Note :** All questions are compulsory. Internal choices are given in Question Nos. 2 to 4. The mark of each question are indicated against it.*

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1. Write short notes on any *four* of the following : 4×5=20
- (a) Stages of Map Design
  - (b) Digital Elevation Model
  - (c) Components of GIS
  - (d) Advantages and disadvantages of raster data
  - (e) Buffer operation
  - (f) Devices used in raster data input
2. Give a comparative account of the important characters of GLONASS, GPS, GALILEO and Beidou. 10

*Or*

What is Data Integration ? Discuss various methods of data integration.

3. Discuss the steps for carrying out GNSS based field survey procedures. 10

*Or*

Discuss various aspects of cartographic representation of GIS data.

[ 3 ]

4. Give an account of neighbourhood operations employed in raster data analysis.

10

*Or*

Discuss the various sources and types of errors in GIS.

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