

POST GRADUATE DIPLOMA IN

GEOINFORMATICS /

MASTER OF SCIENCE

(GEOINFORMATICS)

(PGDGI/MSCGI)

Term-End Examination

December, 2024

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

Time : 2 Hours

Maximum Marks : 50

Note : (i) *All questions are compulsory.*

(ii) Question No. 2 to 4 have internal choices.

(iii) The marks for each question are indicated against it.

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

(a) Data accuracy

4×5=20

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- (b) Digital elevation model data
- (c) Segments of GNSS
- (d) Advantages and disadvantages of raster data

(e) Devices used for raster data input

(f) Georeferencing

- 2. Give a comparative account of important characteristics of GLONASS, GPS, Galileo and Beidou. 10

Or

What is data integration ? Discuss the various methods of data integration.

- 3. Discuss the steps for carrying out GPS survey. Write the major sources of errors affecting a DGPS. 10

Or

What is spatial data structure ? Discuss the types of raster data structure.

- 4. What is metadata ? Discuss the various formats and standards of metadata. 10

Or

Discuss the various aspects of cartographic representation.

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