

No. of Printed Pages : 2

MGY-103

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

Term-End Examination

June, 2023

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

Time : 2 Hours

Maximum Marks : 50

Note : *All questions are compulsory. Question No. 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) Datum
- (b) Segments of GLONASS
- (c) Elements of GIS
- (d) Spatial data formats
- (e) Data interoperability
- (f) Types of buffers

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2. Discuss in detail segments of GPS. 10

Or

Describe the historical development of GIS.

3. What is data input ? Describe the various devices used for raster and vector data input. 10

Or

What is GIS data display ? Discuss the raster and vector data visualization in computer with neat and well-labelled diagrams.

4. Discuss in detail the steps for carrying out GPS survey. 10

Or

Discuss in detail the topological relationships.