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MGY-101

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

Term-End Examination

June, 2025

**MGY-101 : INTRODUCTION TO
GEOINFORMATICS**

Time : 3 Hours

Maximum Marks : 75

Note : *All questions are compulsory. Marks for each question are indicated against it.*

1. (a) Discuss the multidisciplinary nature of Geoinformatics and its applications. 15

Or

- (b) Discuss the trends in GIS.
2. (a) Discuss geospatial IoT and its components. Add a note on the importance of IoT. 10

Or

- (b) Define FOSS. Discuss its image, functionality and advantages.
3. (a) What do you understand by datum ? Explain horizontal as well as vertical datum. 10

Or

- (b) Discuss various types of map projection parameters.
4. Discuss the growth, challenges and future prospects of geoinformatics in India. 10
5. Discuss the role of geoinformatics in ecosystem management. 10
6. Write short notes on any **four** of the following : 4×5=20
- (a) Applications of geoinformatics in monitoring volcanoes.
- (b) Applications of geoinformatics in health related studies
- (c) Career and education scenario of geoinformatics in India

- (d) Vector data
- (e) Geographic co-ordinate system
- (f) Reading of topographical maps

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