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MGY-101

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

Term-End Examination

June, 2024

**MGY-101 : INTRODUCTION TO
GEOINFORMATICS**

Time : 3 Hours

Maximum Marks : 75

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

1. (a) Discuss the evolution of geoinformatics as a discipline. 15

Or

- (b) Discuss how to identify physical and cultural features on a topographical map.

2. (a) Describe the sources of vector data. 10

Or

- (b) Explain the role of geoinformatics in e-governance.

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3. (a) Giving suitable examples discuss the computer system configuration, best suited for geospatial programming. 10

Or

- (b) List any five commonly used map projections. Discuss in brief the Universal Transverse Mercator (UTM) projection.
4. Trace the recent trends and development in GIS. 10
5. Give an account of the hardware requirements of various GIS products. 10
6. Write short notes on any **four** of the following :

4 × 5 = 20

- (a) Differentiate between data and information.
- (b) Advantages and limitations of open Geospatial Consortium.
- (c) Geographic coordinate system.
- (d) Primary and Secondary visual variables of maps.
- (e) Numbering system of Indian topographical maps.
- (f) Advantages of geoinformatics in ecosystem studies.

P.T.O.