MGY-101

POST GRADUATE DIPLOMA IN GEOINFORMATICS (PGDGI)

Term-End Examination

December, 2023

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 sources of Raster Data.   15

            Or

    (b) Describe the types of map elements.

2. (a) Define COTS and discuss its usage and functionality. List the advantages of COTS.

                                                10

            Or

    (b) Describe how geoinformatics is useful in natural resources management.

                                        P. T. O.

3. (a) Discuss the applications of geoinformatics in natural and manmade disasters. 10

Or

(b) Discuss the career options and education scenario of geoinformatics in India.

4. Discuss the applications of geoinformatics in health and forensic studies. 10

5. Explain the concept of remote sensing with a suitable diagram. 10

6. Write short notes on any *four* of the following :

$4 \times 5 = 20$

(a) Developments in photogrammetry

(b) Spatial data

(c) Universal Transverse Mercator (UTM) Projection

(d) GRASS

(e) Types of topographical maps

(f) Landuse and land cover classification system

MGY-101