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MGY-101

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

Term-End Examination

June, 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 classification of map projections. 15

Or

- (b) Discuss the developments and recent trends in remote sensing.

2. (a) Discuss the role and contribution of National agencies in development of geoinformatic technologies. 10

Or

- (b) Discuss the applications of geoinformatics in agriculture.

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3. (a) Discuss the applications of geoinformatics for the study of hydrosphere. 10

Or

- (b) Discuss the applications of geoinformatics in rural and urban planning.
4. What is Data ? Discuss the types of geospatial data. 10
5. Discuss various components of geoinformatics. 10
6. Write short notes on any *four* of the following :
4×5=20
- (a) Digital elevation model
 - (b) Internet of things
 - (c) Functions of any *two* free and open source softwares
 - (d) Use of C and C++ languages in geospatial programming
 - (e) Representation methods of map scale
 - (f) Reading of topographical maps