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MGY-007

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

Term-End Examination

December, 2023

MGY-007 : APPLICATIONS OF GEOINFORMATICS

Time : 2 Hours

Maximum Marks : 50

Note : (i) *All questions are compulsory.*

(ii) *Marks for each question are indicated against it.*

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

4×5=20

- (a) Leaf pigments and their spectral signatures
- (b) Optical properties of water
- (c) INDIGIS
- (d) Representation of relief features
- (e) Geofencing
- (f) Epidemiology and GIS

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2. (a) Discuss in detail the National agencies and their initiatives in the management of meteorological hazards. 10

Or

- (b) Explain briefly the application of geoinformatics in pollution studies. 10

3. (a) Describe the causes and challenges in urban growth. 10

Or

- (b) Give an account of spectral signatures of minerals and rocks. 10

4. (a) Briefly explain the identification of igneous landforms in remote sensing imageries with the help of suitable examples. 10

Or

- (b) Describe the estimation of soil moisture using remote sensing techniques. 10

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