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MGY-007

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

Term-End Examination

June, 2024

MGY-007 : APPLICATIONS OF GEOINFORMATICS

Time : 2 Hours

Maximum Marks : 50

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

(iii) *The marks for each question are indicated against it.*

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

4×5=20

- (a) Internal structure of dicot leaf.
- (b) Apparent optical properties of water.
- (c) Geoinformatics of marketing.
- (d) Flood mapping and monitoring using geoinformatics
- (e) Causes and impacts of forest fire
- (f) Geoinformatics in e-governance

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2. (a) Discuss the applications of geoinformatics in studying disease and pest infestation in agricultural fields. 10

Or

- (b) Discuss the vulnerability of India to geological hazards. 10

3. (a) Describe the applications of geoinformation in any two areas of defence sector. 10

Or

- (b) Write in detail about disease surveillance in public health using spatial analysis. 10

4. (a) Discuss the applications of remote sensing in land degradation assessment. 10

Or

- (b) Describe in brief the soil properties influencing its spectral signatures. Give example with neat diagrams, wherever required. 10

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