

No. of Printed Pages : 3

MGY-007

**POST GRADUATE DIPLOMA IN
GEOINFORMATICS/
M. SC. (GEOINFORMATICS)
(PGDGI/MSCGI)**

Term-End Examination

June, 2025

**MGY-007 : APPLICATIONS OF
GEOINFORMATICS**

Time : 2 Hours

Maximum Marks : 50

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

1. Write short notes on any *four* of the
following : 4×5=20

(a) Temporal variation in plant structure

- (b) Apparent optical properties of water
 - (c) Soil profile
 - (d) Geomorphological mapping
 - (e) Landuse and land cover change
 - (f) Assessment of soil erosion
2. Describe the methods used in biomass and net productivity estimation. 10

Or

Discuss briefly the types of landslides with the help of neat well-labelled diagrams. Add a note on factors affecting and causes for landslide.

3. Explain briefly the causes and impacts of coal fire. Add a note on vulnerability of coal fire in India. 10

Or

Discuss the different remote sensing based indicators used for agricultural monitoring.

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4. Describe the application of geoinformatics in sales management support and retail analysis. 10

Or

Explain the application of geoinformatics in flood inundation mapping, monitoring and management.

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