

M. SC. (GEOINFORMATICS)
(MSCGI)

Term-End Examination

December, 2025

**MGY-011 : GEOENVIRONMENTAL
APPLICATIONS OF GEOINFORMATICS**

Time : 2 Hours

Maximum Marks : 50

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

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

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

- (a) Geoinformatics in coral reef studies
- (b) Recent developments in mapping geological structures using remote sensing
- (c) Digital Terrain Analysis
- (d) Marine Protected Areas (MPAs)

[2]

- (e) Mapping and monitoring atmospheric parameters
 - (f) Coastal vulnerability assessment
 - (g) Corridor analysis
2. Discuss the applications of remote sensing in land degradation studies. 10

Or

Describe the applications of microwave remote sensing in lithological mapping.

3. Discuss the data and methods useful for mapping terrestrial and aquatic habitats giving suitable examples. 10

Or

Write in detail about the ocean colour applications.

4. Give an overview of watershed mapping and related applications. 10

Or

Discuss the applications of geoinformatics in urban sprawl studies.

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C-2750/MGY-011