

**M. SC. (GEOINFORMATICS)
(MSCGI)**

Term-End Examination

June, 2025

**MGY-014 : GEOINFORMATICS IN NATURAL
RESOURCES AND ENVIRONMENTAL STUDIES**

Time : 2 Hours

Maximum Marks : 50

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

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

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

4×5=20

- (a) Development of groundwater resources
- (b) Management of soil resources
- (c) Biome
- (d) Ecosystem assessment
- (e) Scope of environmental management
- (f) Physical divisions of India
- (g) Geoinformatics in habitat dynamics

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2. (a) Discuss the applications of geoinformatics in mineral exploration. 10

Or

- (b) Briefly describe the history and origin of the idea of sustainable development.

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3. (a) (i) Discuss soil erosion risk management using geoinformatics.

5

- (ii) Describe the important biosphere reserves of India.

5

Or

- (b) (i) Discuss the global environmental issues giving suitable examples.

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- (ii) Explain the importance of natural resources to mankind.

5

4. (a) Elaborate various applications of remote sensing in surface water assessment.

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Or

- (b) Explain the *three* levels of biodiversity giving suitable examples.

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