

M. SC. (GEOINFORMATICS)

(MSCGI)

Term-End Examination

June, 2026

**MGY-009 : ADVANCES IN REMOTE
SENSING AND GIS**

Time : 2 Hours

Maximum Marks : 50

Note : *All questions are compulsory. Questions have internal choices. The marks of each question are indicated against it.*

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

(a) Radiometric corrections in multispectral images

(b) Image classification methods

- (c) Software/tools used for OBIA
 - (d) Applications of location based services
 - (e) Development of spatial data infrastructure
 - (f) Open Geospatial Consortium Processes
 - (g) Point Pattern Analysis
2. (a) Discuss processing and applications of LiDAR data. 7+3

Or

- (b) Describe trends in the preprocessing microwave data. Add a note on the sources of microwave data. 8+2
3. (a) What is Cloud Based Data Processing ? Discuss in detail the Google Earth Engine as cloud based data processing platform. 2+8

Or

- (b) Describe the salient features of National Geospatial Policy, 2022. 10

[3]

4. (a) What do you understand by Web GIS and IoT ? Discuss their various applications giving suitable examples.

2+8

Or

- (b) Explain the roles of GIS programming languages in geospatial analysis. 10

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