

No. of Printed Pages : 2

MGYE-021

M. SC. (GEOINFORMATICS)
(MSCGI)

Term-End Examination

June, 2025

**MGYE-021 : EMERGING APPLICATIONS IN
GEOINFORMATICS**

Time : 2 Hours

Maximum Marks : 50

Note : *All questions are compulsory. Marks for each question are indicated against it. Draw well-labelled diagrams wherever necessary.*

1. Write short notes on any *four* of the following : 4×5=20
- (a) Precision farming
 - (b) Soil moisture mapping
 - (c) Digital terrain analysis
 - (d) Mapping volcanic hazard

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- (e) Recent data useful in biodiversity related studies
 - (f) Data consideration for geoinformatics-based ecological studies
 - (g) Data considerations in cadastral applications
2. Answer any *three* of the following : $3 \times 10 = 30$
- (a) Discuss the emerging applications in water resources studies.
 - (b) Discuss the emerging applications in mineral exploration.
 - (c) Explain the emerging applications in planetary geological studies.
 - (d) Describe the emerging applications in global and regional scale studies.
 - (e) Give an account of emerging applications in climate related studies.
 - (f) Elaborate on the emerging applications in health related studies.

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