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MGYE-021

M. SC. (GEOINFORMATICS)
(MSCGI)

Term-End Examination

June, 2026

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

Time : 2 Hours

Maximum Marks : 50

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

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

(iii) *Draw well-belled diagrams, wherever necessary.*

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

(a) Water security related applications

(b) Soil erosion modelling

- (c) Digital terrain analysis
 - (d) Emerging applications in geological hazards
 - (e) Data considerations in global scale studies
 - (f) Climate change related applications
 - (g) Comparison of traditional and geoinformatics based cadastral applications
2. Answer any *three* of the following : $3 \times 10 = 30$
- (a) Discuss the emerging applications of geoinformatics in agriculture.
 - (b) Discuss the emerging applications of geoinformatics in planetary studies.
 - (c) Explain the emerging applications of geoinformatics in vegetation related studies.
 - (d) Give an account of emerging applications of geoinformatics in ecological studies.

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- (e) Discuss the emerging applications of geoinformatics in crime related studies.
- (f) Elaborate on the emerging applications of geoinformatics in health related applications.

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