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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19PGEL1C03 - GEOINFORMATICS

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Methods of energy transfer.
2. What are the steps of Satellite remote sensing?
3. Contrast stretching.
4. Explain convolution.
5. Layers.
6. Spatial queries.
7. Briefly define what is Optimization.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Scale of photographs.
9. Resolution concepts.
10. TIR scanners.
11. Fundamentals of digital image processing.
12. Briefly explain about the uses of GIS in daily life.
13. Fundamental functionalities of desktop GIS.
14. Applications of GIS in disaster management and climate change analysis.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Elements of photo interpretation; tone, texture, pattern, drainage and lineament.
16. Indian remote sensing satellite missions.
17. Give an account of the application of GIS for managing natural disasters in Kerala.
18. Explain Types of thematic maps and visualization in GIS.

(2 × 5 = 10 Weightage)
