

23P148

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2023

(CBCSS - PG)

(Regular/Supplementary/Improvement)

CC19P GEL1 C03 - GEOINFORMATICS

(Applied Geology)

(2019 Admission onwards)

Time : 3 Hours

Maximum : 30 Weightage

Part-A

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

1. Electromagnetic spectrum.
2. Spectral signatures.
3. Contrast stretching.
4. Explain convolution.
5. Uses of GIS.
6. Queries.
7. Applications of GIS in mineral exploration.

(4 × 2 = 8 Weightage)

Part-B

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

8. Define Stereoscopy and vertical exaggeration.
9. Explain platforms and sensors.
10. Elaborate Microwave remote sensing.
11. Fundamentals of digital image processing.
12. Fundamentals of cartography and geodesy.
13. Explain desktop GIS.
14. Visualization of geographical data.

(4 × 3 = 12 Weightage)

Part-C

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

15. Brief history of Remote sensing.
16. Explain the elements of remote sensing process. Add a note on the resolution concept in satellite remote sensing.
17. Elucidate the applications of thermal infrared remote sensing in various fields.
18. Elaborate Applications of GIS.

(2 × 5 = 10 Weightage)
