

22P148

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Name:

Reg.No:

FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2022

(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. SRTM DEM.
2. Spectral signatures.
3. Restoration.
4. What is linear filtering?
5. Subdivision of information.
6. Spatial analysis.
7. Applications of GIS in disaster management.

(4 × 2 = 8 Weightage)

Part-B

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

8. Height and tilt displacement.
9. Principles of satellite remote sensing.
10. Explain principles of Thermal Infrared Remote sensing.
11. Image enhancement techniques.
12. Briefly explain about the uses of GIS in daily life.
13. Explain web mapping.
14. Maps and cartographic communication.

(4 × 3 = 12 Weightage)

Part-C

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

15. a) Elaborate on types of aerial photographs.
b) Explain scale of photographs.
c) Give a short note on geometry of aerial photos
16. Explain EMR and their interactions with atmosphere.
17. Explain the application of remote sensing in mineral exploration.
18. Describe applications of GIS in mineral exploration and disaster management.

(2 × 5 = 10 Weightage)
