

**21P150**

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Name: .....

Reg.No: .....

**FIRST SEMESTER M.Sc. DEGREE EXAMINATION, NOVEMBER 2021**

(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. Sensors.
2. Spectral signatures.
3. Explain filtering and contrast stretching.
4. Image classification.
5. Define GIS.
6. Queries.
7. Thematic maps.

**(4 × 2 = 8 Weightage)**

**Part-B**

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

8. What are the elements of Aerial photograph interpretation.
9. Electromagnetic spectrum.
10. TIR scanners.
11. Image rectification and restoration.
12. Fundamentals of geodesy.
13. Software and technology.
14. GIS can be a powerful tool in Urban Planning. Elaborate.

**(4 × 3 = 12 Weightage)**

### **Part-C**

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

15. (a) Elaborate types of aerial photographs.  
(b) Explain scale of photographs.  
(c) Give a short note on geometry of aerial photos.
16. Indian remote sensing satellite missions.
17. Explain principles and applications of microwave remote sensing.
18. Applications of GIS in climate change analysis and urban planning.

**(2 × 5 = 10 Weightage)**

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