

23I604

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Name:

Reg.No:

SIXTH SEMESTER INTEGRATED M.Sc. GEOLOGY DEGREE EXAMINATION, APRIL 2026

(CBCSS)

(Regular/Supplementary/Improvement)

CC20GLO6IE01 / CC23GLO6IE01 - REMOTE SENSING AND GIS

(Geology)

(2020 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit: 3

Part A (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Differentiate kite photography and Ballon photography.
2. Discuss Airborne and ground based platforms.
3. Express the relation between photoscale and flight height.
4. Give an example for LEO and MEO.
5. Discuss trajectory and orbit.
6. What is GIS?
7. What is LiDAR data?
8. What is GCS?
9. Define Labels.
10. What is TIN?
11. Topology maintenance.
12. Define Location.

(Ceiling: 20 Marks)

Part B (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Classify Electromagnetic spectrum with reference to wavelength and frequency.
14. Discuss the advantages of Aerial photography.
15. Discuss the parts of satellites and its role.
16. Discuss the major key elements for visual interpretation of satellite images.

17. Give a short note on the comparison of raster and vector data models.
18. Explain the different types of vector data file formats.
19. Explain the types of data management system in GIS.

(Ceiling: 30 Marks)

Part C (Essay questions)

Answer any ***one*** question. The question carries 10 marks.

20. How the degree of displacement due to relief increases with increasing distance from the centre point and with increasing difference in elevation above or below the datum with proper diagram?
21. Describe the scale, types, and it's measurements on map and ground.

(1 × 10 = 10 Marks)
