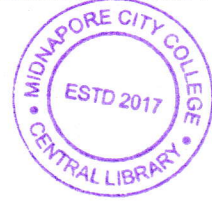


PG (CBCS)
M.A. & M.SC. Semester - IV Examination, 2026
GEOGRAPHY
PAPER: GEO 404 D
(ADVANCED REMOTE SENSING)



Full Marks: 20

Time: 1 Hour

The figures in the right-hand margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

Answer any **TWO** of the following questions:

2×2=4

1. What is meant by active microwave remote sensing?
2. What is SAR?
3. What do you mean by Lidar?
4. Write down two major applications of thermal remote sensing.

GROUP-B

Answer any **TWO** of the following questions:

2×4=8

5. Write a short note on the types of microwave remote sensing.
6. Write down the various steps of digital image pre-processing.
7. Write down the working principle of hyperspectral remote sensing.
8. Differentiate hyperspectral remote sensing and multispectral remote sensing.

GROUP-C

Answer any **ONE** of the following questions:

1×8=8

9. Explain the spatial interpolation and intensity interpolation techniques in digital image processing.
10. Mention the basic principles of SAR. Write down the various applications of microwave remote sensing.

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