

**Total Pages— 3 PG/IIS/RSG/204.1/25(2023-24)
(CBCS)**

M.Sc. 2nd Semester Examination, 2025

REMOTE SENSING AND GIS

*(Fundamentals of Remote Sensing and
Photogrammetry)*

PAPER – RSG-204.1(2023-24)(CBCS)

Full Marks : 25

Time : 1 hour

Answer all questions

The figures in the right hand margin indicate marks

*Candidates are required to give their answers in
their own words as far as practicable*

Illustrate the answers wherever necessary

GROUP—A

Answer any two questions : 2 × 2

1. Define false colour composite (FCC).

(Turn Over)

2. Mention two advantages of remote sensing.
3. What is electromagnetic radiation (EMR) ?
4. What does the term ortho rectification refer to photogrammetry ?

GROUP-B

Answer any two questions : 4×2

5. Critically compare between push-broom and whiskbroom scanner.
6. Explain the characteristics of electromagnetic radiation in relation to remote sensing.
7. Explain the conditions for stereoscopic vision.
8. Discuss the historical development of aerial photography.

(3)

GROUP-C

Answer any one question : 8 × 1

- 9. Explain the process of remote sensing and discuss its scope, advantages, and limitations. 2 + 3 + 3**
- 10. Discuss various platforms and sensors used in remote sensing. How do their characteristics influence data acquisition? 4 + 4**

[Internal Assessment – 5 Marks]

