A-0644

Total Pages : 3 **Roll No. .....**

GIS-502/DGIS-502/CGIS-502

Fundamentals of Photogrammetry and Remote Sensing

(MAGIS/MSCGIS/DGIS/CGIS)

Examination 2026 (Feb.)

Time: 02:00 hrs **Max. Marks: 70**

Note : This paper is of seventy (70) marks divided in to two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. ***Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.***

Section-"A"

(Long Answer - type Questions)

Note:- Section 'A' contains Five (05) long-answer-type questions of nineteen (19) marks each. Learners are required to answer any two (02) questions only.

(2x19=38)

P.T.O

1. Discuss the evolution and importance of remote sensing technology in India and abroad.
2. What is an aerial photograph? Explain its characteristics, applications, and methods with suitable examples.
3. Explain in detail the Remote Sensing Platforms and Sensors, their types, characteristics and significance in Geoinformatics.

4 Describe the historical development and evolution of Remote Sensing from aerial photography to modern satellite-based systems.
5. Define image interpretation and explain its concept and principles. Also discuss the important elements of image interpretation.

Section-"B"

(Short -answer - type questions)

Note:- Section 'B' contains eight (08) short-answer type questions of eight (8) marks each. Learners are required to answer any Four (04) questions only.

(4x8=32)

1. Define remote sensing and explain its basic concept.

2. What is reflection? Explain its types with examples.
3. Describe the interaction of EMR with the atmosphere.
4. Write a short note on the history of aerial photography.
5. Write a short note on stereoscopic aerial photography.
6. What is relief displacement and how can it be measured?
7. Write a short note on the concept of photography.
8. Explain the difference between satellite remote sensing and aerial photography.

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