

A-0436

Total Pages : 4

Roll No. -----

GIS-502/DGIS-502/CGIS-502

Fundamentals of Photogrammetry and

Remote Sensing

(MAGIS/MSCGIS/DGIS/CGIS)

1st Semester Examination 2024(Dec.)

Time: 2:00 hrs

Max. Marks: 70

Note : This paper is of Seventy (70) marks divided into 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.

P.T.O.

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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]

- Q.1. Describe the contribution of India in space science.
- Q.2. What is the role of atmospheric windows in the field of remote sensing? Write their wavelength range and absorption criterion.
- Q.3. Describe the characteristics of LiDAR and Radar sensors.
- Q.4. Discuss on the applications of aerial photographs.
- Q.5. Explain the causes of relief displacement.

Section-B
(Short-Answer-Type Questions)

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

[4x8=32]

- Q.1. Why do we need remote sensing?
- Q.2. What do you mean by aerial photography?
- Q.3. Write a note on Non-selective Scattering?
- Q.4. Define characteristics of platform?
- Q.5. What is parallax in aerial photography?
- Q.6. Define Floating Marks.
- Q.7. What is tilt distortion?

P.T.O.

Q.8. How to calculate the relief displacement in an aerial
photograph?
