1. What do you mean by photogrammetry? Elaborate on various measurements possible on aerial photographs.

2. Explain in brief the classification of aerial photo based on the alignment of optical axis.

3. Draw the diagram to explain the principal point, focal length, fiducial marks and optical axis of aerial photograph.

4. Briefly explain about areal triangulation in photogrammetry. What is its role in the accuracy photogrammetry data ?

5. What is point clouds? How it can be generated and useful to the different applications ?

Section - B
(Short-Answer-Type Questions)

Note - Section 'B' contains Eight (08) short-answer-type questions of Seven (07) marks each. Learners are required to answer any Five (05) questions only.
(5 × 7 = 35)

1. Write down the eight elements of aerial photo interpretation.

2. Define Zenith angle, Celestial point and Nadir Point with suitable use cases.

3. How many types of films used in photogrammetry, explain any two.

4. Discuss the limitations of aerial photography.

MGIS-06

Photogrammetry

Master of Geographical Information System

(MGIS-11-16-17)

Second Semester, Examination - 2019

Time : 3 Hours   **Max. Marks : 80**

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Note - This Paper is of Eighty (80) marks divided into two (02) Sections A and B. Attempt the Questions contained in these sections according to the detailed instructions given therein.

5.   Write down the advantages and disadvantage of UAV/drone images as a photogrammetric platform.

6.   How many location photographs are required at least for Photogrammetry ?

7.   Describe template method of photo indexing.

8.   Choose a project/application of your choice to establish the relationship between Remote Sensing, GIS, DIP and Photogrammetry with suitable block diagrams.

Section - A

(Long-Answer-Type Questions)

Note - Section 'A' contains Five (05) long-answer-type questions of Fifteen (15) marks each. Learners are required to answer any Three (03) questions only.

$(3 \times 15 = 45)$