Total No. of Printed Pages : 4 Roll No.....

MGIS-06

PHOTOGRAMMETRY

Master of Geographical Information System

(MGIS-11/16/17)

Second Year, Examination-2020

Time Allowed : 2 Hours Maximum Marks : 80

Note : This paper is of Eighty (80) marks divided into Two (02) sections A and B. Attempt the question contained in these sections according to the detailed instructions given therein.

Section-A

(Long Answer type Questions)

Note : Section-'A' contains Five (05) long answer type questions of Twenty (20) marks each. Learners are required to answer any two (02) questions only. (2×20=40)

1. Explain in brief the concept of digital ortho-photo. Write down the steps involved in the generation of an ortho-photo. List some of the applications of orthophoto.

2. Give in detail about the three types of errors in Photogrammetry.

3. What is projection system? How is it useful in making maps? Whether maps are different than ortho-photos?

4. What do you understand by indexing in photogrammetry, explain any one method.

5. What is stereovision, for what purpose it is used. Define in detail.

Section-B

(Short answer type questions)

Note: Section-B Contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any four (04) questions only. (4×10=40)

1. What is Photo scale?

2. Write eight application areas of aerial Photogrammetry.

3. The relief displacement of a minar 72 m high on photograph is 7.2 mm and its top appears 10 cm away from principal point. What would be the flying height of the camera?

4. Define the nadir point and control point, mosaics in terms of aerial photogrammetry.

5. What is a stereopair and what for it is used?

6. What are the limitations of a topographic maps?

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

8. What are basic requirements for feature extraction in any type of Remote Sensing photographs/imagery.

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