

M.SC. 2nd SEMESTER EXAMINATION, 2022

GEOINFORMATICS

Course Title: Digital Photogrammetry

Course Code: GI 205P

Course ID: 23165

Full Marks: 40

Time: 4 Hours

*The figures in the margin indicate full marks
Candidates are requiring to give their answers in their own words as far as practicable
Answer all the questions*

UNIT 1: Digital Stereo Model

Answer following questions:

1. What are the products that can be generated from an Oriented Digital Stereo Model?

Explain the concept of Orth-rectification. Differentiate between DEM, DTM and DSM.

3+4+3=10

UNIT 2: Photogrammetric Application

2. How stream network from DEM image is created? What do you mean by 3D scene modelling?

7+3=10

UNIT 3: Application of UAV in Digital Photogrammetry

3. What is Drone? What are the current applications of this aerial technology? 3+7=10

4. Notebook and Viva Voce 5+5 =10

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