

M. Sc. 2nd Semester (Practical) Examination, 2021

GEOINFORMATICS

[Digital Photogrammetry]

Course Code: GI 205P

Course ID: 23165

Time: 3 Hrs. 15 Mins.

Full Marks: 40

The figures in the margin indicate full marks

Candidates are require to give their answers in their own words as far as practicable

*Answer **all** questions*

Unit-1 (Digital stereo model)

1. Describe the data which are required for DSM and write the steps to prepare 3D view of DSM. 5+5=10

Unit-2 (Photogrammetric Applications)

2. How do you generate DEM through the ground survey? What do you understand by focal length of a lens? Calculate the flying height above terrain if the photo scale is 1:5000 and focal length 15 cm. 5+1+4=10

Unit-3 (Applications of UAV (Drone) in Digital Photogrammetry)

3. How do you integrate UAV, Google Earth (GE), and ArcMap for preparing DEM? 10
4. Viva voce and Notebook. 5+5=10