

M. Sc. 2nd Semester (Practical) Examination, 2022

GEO-INFORMATICS

Course Title: Digital Image Processing

Course Code: GI 204P

Course ID: 23164

Time: 4 Hours

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: Pre-processing and Enhancement

1. What does brightness and contrast do? What are the types of filters in digital image processing? 5+5=10

Unit-2: Image transformation

2. Write short notes on NDVI and NDBI. 5+5=10

Unit-3: Image Classification

3. What are the two types of image classification? How do you calculate accuracy assessment? 5+5=10
4. Viva voce and Notebook. 5+5=10

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