

AU-346

M.Sc. (Part-I) Semester-II (CBCS Scheme) Examination

GEOINFORMATICS

MGI-202 : Digital Image Processing

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) All questions are compulsory and carry equal marks.
(2) Draw neat sketches wherever necessary.

1. Write in brief on the following :

- (a) Data coding and decoding
- (b) Band sequential and band interleaved.

OR

- (c) Digital image formation
- (d) Raster and vector files.

2. Explain the following :

- (a) Radiometric correction
- (b) Contrast manipulation.

OR

- (c) Grey level manipulation
- (d) Geometric correction.

3. Describe smoothening and sharpening techniques in digital image processing.

OR

Describe Image processing.

4. Explain the following :

- (a) Vegetation components
- (b) Space transformation.

OR

- (c) Pattern Resolution Concept
- (d) Linear Description Concept.

5. Differentiate between supervised and unsupervised classification.

