

Total No. of Pages: 1

Register Number:

6027

Name of the Candidate:

M.Sc. DEGREE EXAMINATION - 2010

(GEO-INFORMATICS)

(SECOND YEAR)

(PAPER – IX)

630. DIGITAL IMAGE PROCESSING

December)

(Time: 3 Hours

Maximum: 100 Marks

Answer ALL questions.

(5 × 20 = 100)

Each answer should be in about 1,500 words.

1. (a) Write about the satellite formats, vector and Raster file format structures and its advantages.
(OR)
(b) Write about the basic requirements of image processing system and its advantages.
2. (a) Explain Pre Processing Sun elevation Angle correlation with a neat sketch.
(OR)
(b) Write an essay on the various re-sampling and interpolation methods.
3. (a) Explain various digital enhancement techniques and image classification methods.
(OR)
(b) Write an essay on Image differencing and change detection analysis and its applications.
4. (a) Explain Accuracy assessment and its necessity in DIP.
(OR)
(b) Explain Principal component Analysis and Vegetation Indices.
5. (a) Explain multi mode image fusion techniques and its advantage.
(OR)
(b) Describe the soft and hybrid classification techniques.

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