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Register Number:

2137

Name of the Candidate:

M.Sc. DEGREE EXAMINATION, 2011

(GEO-INFORMATICS)

(SECOND YEAR)

(PAPER-IX)

630. DIGITAL IMAGE PROCESSING

May]

[Time : 3 Hours

Maximum : 100 Marks

Answer ALL questions

(5×20=100)

1. a) Write about the Data acquisition and components Image processing system.
(OR)
b) Write about data encoding, decoding and digital data formats.
2. a) Explain Geometric corrections and describe the causes.
(OR)
b) What are radiometric errors and explain the correction methods.
3. a) Explain various image enhancement techniques and its advantages in digital image Interpretation.
(OR)
b) Write an essay about Band ratio and Principal component Analysis and its essentials.
4. a) Explain Image rectification & restoration and its necessity in DIP.
(OR)
b) Explain Supervised and Unsupervised classification methods in Image processing.
5. a) Explain Multi mode Image analysis and its advantage.
(OR)
b) Describe the ANN, OOPS and Fuzzy image classification techniques.
