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Class—M.Sc. (C.S) Sem. II
Subject —Image Processing
Paper-MCS-202

Time Allowed : 3 Hours

Maximum Marks :100

Note: All questions carry equal marks. Attempt any five questions.

1. Define the term Image Processing. Explain different steps used in image processing. Explain the role of each step. 20
2. What do you understand by Visual Phenomena? Explain. 20
3. Define the following terms:
 - (a) Image Enhancement
 - (b) Image Data Compression
 - (c) Image Restoration
 - (d) Image Feature Extraction 20
4. Write short notes on the following:
 - (a) Color Models
 - (b) Color System Transformation 20
5. (a) Discuss different available Image data formats.
(b) Discuss the concept of Statistical Pattern Recognition. 20

6. (a) Explain in detail the concept of Image digitization. 10
- (b) Discuss the role of array processing with the help of an example. 10
- 7 (a) What do you mean by distributed processing of Image data? 10
- (b) Explain spatial feature extraction. 10
8. Discuss Histogram processing in detail. 20
