Exam. Code : 206702
Subject Code :   3522

M.Sc. (Computer Science) Semester—II
MCS-202 : IMAGE PROCESSING

Time Allowed—3 Hours]   [Maximum Marks—100

Note :— There are **EIGHT** questions in the question paper. The candidates are required to attempt any **FIVE** of them. Each question carries **20** marks.

1. What is an image data format ? Discuss the pros and cons of various image data formats.

2. Why image data compression is required ? Discuss various techniques of image data compression.

3. What do you mean by image feature extraction ? Explain different features which can be extracted from an image.

4. Explain any four application areas in context of medical image processing.

5. What is the need of image enhancement ? How it differs from image restoration ? Explain the process of image enhancement in detail.

6. Discuss different Color System Transformations. How Histogram processing can be applied to Color images ?

7. What do you mean by image quality ? Describe various image quality factors that can affect the quality of an image.

8. Write short notes on the following :—

    (i) Colour Image Signal Representation

    (ii) Distributed processing of image data.

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