

Exam. Code : 206702

Subject Code : 4723

M.Sc. Computer Science 2nd Semester (Batch 2021-23)

IMAGE PROCESSING

Paper—MCS-202

Time Allowed—3 Hours]

[Maximum Marks—100

Note :— Attempt **FIVE** questions in all, selecting at least **ONE** question from each Section. The **FIFTH** question may be attempted from any Section. All questions carry equal marks.

SECTION—A

1. What are the components and advantages of electronic systems in image processing ?
2. What are issues of image recognition and processing using computers ?

SECTION—B

3. Explain the human visual system model briefly.
4. What is image data format ? What are the different image data formats ? Discuss any one of them.

SECTION—C

5. What is meant by pattern recognition ? How is it done statistically ?
6. Discuss any one application of image processing.

SECTION—D

7. How is color image representation done ? What are the techniques applicable on such images ?
8. What is color image transformation ? Explain any one such transformation.