

Roll No.

Total No. of Questions : 08]

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M.Tech.

DIGITAL IMAGE PROCESSING

SUBJECT CODE : CS - 502

Paper ID : [E0682]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 100

Instruction to Candidates:

- 1) Attempt any **Five** questions.
- 2) **All** questions carry equal marks.

Q1) What are the stages through which an image passes in an image processing system? Explain?

Q2) Why are images compressed? Discuss the techniques for image compression?

Q3) What is the difference in image restoration and image enhancement? Discuss the image restoration and enhancement techniques?

Q4) What is image segmentation? What are the applications of image segmentation?

Q5) How the color helps in better image analysis? Discuss various color models to specify a color in a standard way?

Q6) What is a wavelet? Discuss its similarities and dissimilarities with Fourier Transform?

Q7) What is pattern recognition? Discuss the structural methods for pattern recognition?

Q8) What is region representation and description? How are regions represented and described?

