

Roll No.

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech (CSE) / (Artificial Intelligence) (Sem.-2)

ADVANCED COMPUTER VISION

Subject Code : MTAI-PE-7-20

M.Code : 92283

Date of Examination : 11-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carry TWELVE marks.

1. Explain the different components of a vision system.
2. How is supervised learning different from unsupervised learning? Explain with an example.
3. Explain the three fundamental steps performed in edge detection. Why is edge detection useful?
4. What is an active contour model? How contours' are represented using this model?
5. List the properties of opening and closing operation for morphological image processing.
6. What's the effect of setting the lowest bit of all the pixels to zero on the histogram of an image?
7. Discuss the problem of median filter with even number of points in the window.
8. Describe contrast stretching on an image. What's the effect of increasing brightness and contrast on the level graph of the original image?

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.