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Total No. of Pages: 01

Total No. of Questions: 08

M.Tech. (CSE) (Sem. – 2)

COMPUTER VISION

Subject Code: MTCS-208-18

M Code: 76059

Date of Examination : 24-12-2022

Time: 3 Hrs.

Max. Marks: 60

INSTRUCTIONS TO CANDIDATES:

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

1. What is image analysis? How it is performed? How binary images are analysed?
2. Explain with the help of example, edge detection technique.
3. What is morphological filtering? Explain the concept of Fourier transformation.
4. a) Describe feature extraction technique with example.
b) What are the various features of an image?
5. Differentiate between supervised, un-supervised and semi-supervised classification.
6. How dimensional reduction is performed using PCA, LDA and ICA methods?
7. How image patterns are analyzed using mixture of Gaussians?
8. Write a detailed note on biometrics and activity recognition.

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.