

Roll No.

Total No. of Pages : 02

Total No. of Questions : 18

B.Tech (CSE) (Sem.-7)

IMAGE PROCESSING AND PATTERN RECOGNITION

Subject Code : CS-426

Paper ID : [A0489]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Explain the following :

- Q1. Image Data Format
- Q2. 2-D system for Image Representation
- Q3. Picture data archival
- Q4. Colour Image System
- Q5. Image Processing Technique
- Q6. Image Restoration
- Q7. Image Storage
- Q8. Pixel
- Q9. Image Sampling
- Q10. Pattern Representation

SECTION-B

- Q11. Write a note on extension of processing techniques to colour domain.
- Q12. What are the steps involved in feature extraction.
- Q13. Explain colour image signal representation.
- Q14. Write a note on applications of Image Processing.
- Q15. Write a note on statistical pattern recognition system.

SECTION-C

- Q16. Describe Machine Vision and its applications.
- Q17. What is the role of computers in image processing and pattern recognition system?
- Q18. Explain with help of example medical image processing.

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