Amrit Science Campus

Assessment-2012

BSc. CSIT Sixth Semester **Full Marks: 20**

Time: 1 hour **Pass Marks: 8**

Attempt any four questions.

1. Define image processing. Briefly describe the block diagram of a typical digital image processing system. [1+4]
2. What is histogram? Explain the process of contrast stretching with an example.
3. What do you mean by image compression? Why is it done? Describe any compression technique with an example.[1+1+3]
4. Define spatial filter. Explain how image can be magnified. [1+4]
5. Differentiate between [Attempt any two] [2.5x2]
    a. Fixed and variable Length Coding
    b. Smoothing and sharpening filters
    c. City block vs. chess Board distance

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Assessment-2012

BSc. CSIT Sixth Semester **Full Marks: 20**

Time: 1 hour **Pass Marks: 8**

Attempt any four questions.

11. Define image processing. Briefly describe the block diagram of a typical digital image processing system. [1+4]
12. What is histogram? Explain the process of contrast stretching with an example.
13. What do you mean by image compression? Why is it done? Describe any compression technique with an example.[1+1+3]
14. Define spatial filter. Explain how image can be magnified. [1+4]
15. Differentiate between [Attempt any two] [2.5x2]
    a. Fixed and variable Length Coding
    b. Smoothing and sharpening filters
    c. City block vs. chess Board distance

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Time: 1 hour **Pass Marks: 8**

Attempt any four questions.

6. Define image processing. Briefly describe the block diagram of a typical digital image processing system. [1+4]
7. What is histogram? Explain the process of contrast stretching with an example.
8. What do you mean by image compression? Why is it done? Describe any compression technique with an example.[1+1+3]
9. Define spatial filter. Explain how image can be magnified. [1+4]
10. Differentiate between [Attempt any two] [2.5x2]
    a. Fixed and variable Length Coding
    b. Smoothing and sharpening filters
    c. City block vs. chess Board distance

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Assessment-2012

BSc. CSIT Sixth Semester **Full Marks: 20**

Time: 1 hour **Pass Marks: 8**

Attempt any four questions.

16. Define image processing. Briefly describe the block diagram of a typical digital image processing system. [1+4]
17. What is histogram? Explain the process of contrast stretching with an example.
18. What do you mean by image compression? Why is it done? Describe any compression technique with an example.[1+1+3]
19. Define spatial filter. Explain how image can be magnified. [1+4]
20. Differentiate between [Attempt any two] [2.5x2]
    a. Fixed and variable Length Coding
    b. Smoothing and sharpening filters
    c. City block vs. chess Board distance