USN | | | | | | | | | | 13MCA543

Fifth Semester MCA Degree Examination, Dec.2018/Jan.2019
MultiMedia Systems

Time: 3 hrs.   Max. Marks:100

Note: *Answer any FIVE full questions.*

1   a. List and explain the different attributes of Media.   **(10 Marks)**
    b. Explain the architecture of Multimedia workstation.   **(10 Marks)**

2   a. Explain different technical terms used in relation to speech output.   **(10 Marks)**
    b. Explain speech synthesis.   **(04 Marks)**
    c. With representation, explain speech recognition components.   **(06 Marks)**

3   a. Explain different Image segmentation.   **(06 Marks)**
    b. With Block diagram, explain the steps involved in image recognition.   **(08 Marks)**
    c. Explain different categories in specification of animations.   **(06 Marks)**

4   a. List and explain the major steps in data compression.   **(08 Marks)**
    b. Write a note on H.261.   **(08 Marks)**
    c. Explain Runlength coding compression technique with example.   **(04 Marks)**

5   a. Explain the properties of WORM's.   **(05 Marks)**
    b. Explain the error handling process in CD-DA.   **(05 Marks)**
    c. Write a note on CD – ROM.   **(10 Marks)**

6   a. Describe the methods of analyzing image sequence in motion vector.   **(10 Marks)**
    b. Discuss different application of content analysis.   **(10 Marks)**

7   a. With a neat diagram, explain TWAIN architecture.   **(10 Marks)**
    b. List and explain the key format carried out across RTF document files.   **(10 Marks)**

8   a. Explain different virtual reality design consideration.   **(10 Marks)**
    b. Explain different types of multimedia data base.   **(10 Marks)**

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