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13MCA543

Fifth Semester MCA Degree Examination, Dec.2019/Jan.2020
Multimedia Systems

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions.

- 1 a. What is Multimedia? Explain its elements. (10 Marks)
b. Characterize and Explain the different Continuous media data Streams. (10 Marks)
- 2 a. With a neat diagram, explain speech recognition. (10 Marks)
b. Write a note on MIDI Standard. (05 Marks)
c. Explain the steps involved in Converting audio signals into digital samples. (05 Marks)
- 3 a. List and explain the methods of controlling animation. (06 Marks)
b. Write a note on PostScript. (04 Marks)
c. What are the transformation steps involved in image recognition. (10 Marks)
- 4 a. Explain major steps involved in data compression. (06 Marks)
b. With an example, explain Huffman coding. (08 Marks)
c. List and explain different types of image frames in MPEG. (06 Marks)
- 5 a. With the help of Mode – I and Mode – 2. Explain CD – ROM data hierarchy. (10 Marks)
b. Explain how DVD (Digital Versatile Disc) stores more data compared to CDROM. (05 Marks)
c. Discuss eight – to – fourteen modulation for CD (Compact Disk) (05 Marks)
- 6 a. Explain the Semantic indicator in Audio Analysis. (06 Marks)
b. Describe text recognition of Individual images. (06 Marks)
c. List and explain any four applications of content Analysis. (08 Marks)
- 7 a. With a neat diagram, explain TWAIN architecture. (10 Marks)
b. Describe the key format information carried out across in RTF document file. (10 Marks)
- 8 a. Mention different types of workflow. Draw a workflow diagram for imaging application. (10 Marks)
b. Discuss the various issues of virtual reality Design Considerations. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.