M.E. Second Semester (Information Technology) (Full Time) (C.G.S.)
13428 : Digital Media Development : 2 NMEF 2

P. Pages : 2

Time : Three Hours

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Max. Marks : 80

Notes : 1. Assume suitable data wherever necessary.
2. Illustrate your answer necessary with the help of neat sketches.

1. a) Compare and contrast JPEG and MPEG How would motion JPEG differ from MPEG? 6

   b) What is multimedia? Explain multimedia workstation architecture. 7

OR

2. a) Explain need of audio compression thus describe gray and still video image compression. 6

   b) Describe the process of image recognition. Explain the capabilities of an image processing software might include. 7

3. a) Explain voice recognition system. Hence describe the characteristics of different voice recognition systems. 7

   b) Describe full motion video standards and their operations. 7

OR

4. a) How does the RIFF wave form audio file format different from RIFF MIDI file format. Explain with proper Justification. 7

   b) Differentiate between TIFF file format with the RIFF file format. 7

5. a) Describe and explain FDDI and FDDI also give their advantages and disadvantages. 7

   b) What do you mean by virtual reality? Explain the virtual reality modeling. 6

OR

6. a) Explain windows telephony architecture in detail. 6

   b) Describe image compression schemes, justify with an example. 7

7. a) Explain Hypermedia messaging with a suitable application. 7

   b) Describe the architecture and storage structure in MAPI. 6

OR

8. a) What are the design issues for multimedia authoring? Explain the display resolution. 7

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b) Explain the following image display issues.   6
     i)   Scaling   ii)   Rubber binding.

9.   a)   Explain the services provided by multimedia object manager.   7

     b)   Draw and explain object server architecture and also explain key elements in short.   7

OR

10.   a)   Explain transaction management for multimedia systems.   7

     b)   Explain how network performance affect multimedia development. Discuss the issues to deal with performance.   7

11.   a)   List and explain the various design aspect of storage management.   6

     b)   What are the issues to be consider for extensibility of multimedia system development.   7

OR

12.   a)   Explain Technology assessment with the detail steps involved in it.   6

     b)   Discuss the object-oriented multimedia system with their important issues.   7

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