M.E. Second Semester (Computer Science & Information Technology) (New-CGS)
13195 : Elective-II : Digital Media Development : 2 RNME 5

P. Pages : 2

AU - 3443

Time : Three Hours

Max. Marks : 80

Notes : 1. Due credit will be given to neatness and adequate dimensions.
2. Assume suitable data wherever necessary.
3. Illustrate your answer necessary with the help of neat sketches.

1. a) Compare followings :   7
   a) Lossless and Lossy compression.
   b) H. 261 (Px64) and MPEG.

   b) Explain in brief multimedia systems Architecture.   7

OR

2. a) What are different video processing standards? Why compression is needed?   7

   b) What are the advantages and disadvantages of CCIT Group 3 (ID)?   7

3. a) What are color printer technology issues? What are post printing problems?   6

   b) What are the differences in the hardware video animation and full-motion videos? What are the similarities?   7

OR

4. a) What is isochronicity?   6

   b) Explain components of TWAIN architecture.   7

5. a) Explain architecture of a multitasking DSP.   6

   b) Explain workflow in a multimedia application. Explain workflow design for an enterprise wide system.   7

OR

6. a) What are advantages and the disadvantages of multifunction multimedia boards? How is the performance impacted?   7

   b) Why multimedia objects are stored in compressed form?   6

7. a) Explain in brief Vendor - Independent Messaging (VIM) and VIM services.   7

   b) What multiple sources for objects and multi - user operations are needed for Authoring systems?   6

OR

8.	a)	What design issues are related with multimedia Authoring?	4
	b)	What minimum subset of tools required for full - motion Video Authoring System.	4
	c)	What is the purpose of X.400 and X.500 recommendations?	5
9.	a)	What issues are to be addressed while organizing distributed databases with distinct storage mechanisms?	7
	b)	Explain in brief the object server architecture.	7

OR

10.	a)	What services are provided by Multimedia Object Manager?	5
	b)	What data structures are maintained by the Multimedia Object Manager?	4
	c)	What is Object Request Brokers (ORB)?	5
11.	a)	Explain the uses of multimedia objects by functions.	6
	b)	Which key issues are important in designing a optimized network transportation?	7

OR

12.	a)	Explain in brief the requirements for the Business Model of IFC (International Finance Corporation)	7
	b)	Develop a strategy for locating object servers and optimizing network bandwidth.	6

****