B.E. (Information Technology) Semester Seventh (C.B.S.)
Elective - I : Multimedia Systems

P. Pages : 2

Time : Three Hours

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Max. Marks : 80

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Notes : 1. All questions carry marks as indicated.
2. Solve Question 1 OR Questions No. 2.
3. Solve Question 3 OR Questions No. 4.
4. Solve Question 5 OR Questions No. 6.
5. Solve Question 7 OR Questions No. 8.
6. Solve Question 9 OR Questions No. 10.
7. Solve Question 11 OR Questions No. 12.

1. a) Define multimedia. What are uses of multimedia. **5**

b) Explain multimedia architecture based on interface bus and n/w architecture for multimedia systems. **8**

OR

2. a) Write note on Hyper speech. **5**

b) Explain the process of making multimedia. **5**

c) What are requirements to make good multimedia ? **3**

3. a) What is mean by peripheral devices ? Explain MM hardware peripheral in detail. **8**

b) Discuss in detail MM authoring tools with one example. **6**

OR

4. a) Explain basic multimedia s/w tools. **7**

b) Which platforms are used for development of multimedia project ? Explain. **7**

5. a) What are different image data types ? Explain. **8**

b) Calculate size in bytes for 20 sec mono recording at 44.1 kHz, 8 bit resolution. **5**

OR

6. a) Explain various principles of animation, in detail. **7**

b) Explain multimedia building block video. **6**

7. a) Explain hardware Vs software compression. **6**

b) What are the requirement of full motion video compression ? Explain. **7**

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8.	a)	Explain CCITT technique for image compression.	**6**
	b)	Discuss any one technique for video compression.	**7**
9.	a)	Write a note on Graphical Image file Format (GIF)	**8**
	b)	Write a detailed note on MIDI.	**6**

OR

10.	a)	Give the working of each team member of multimedia tem in detail.	**7**
	b)	Write note on DBMS with respect to multimedia.	**7**
11.	a)	Write short note on VRML.	**5**
	b)	Which are different bandwidth bottlenecks ? Explain.	**5**
	c)	Define file archives.	**3**

OR

12.	a)	Explain in detail designing and producing stage with respect to MM project development.	**7**
	b)	What are web page makers and site builders ? Explain in short.	**6**

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