Code No: **R4205B**   **R10**   Set No. 1

IV B.Tech II Semester Regular Examinations, April/May - 2014
MULTIMEDIA & APPLICATION DEVELOPMENT
(Common to Computer Science & Engineering and Information Technology)

Time : 3 hours   Max. Marks: 75

Answer any Five Questions
All Questions carry equal marks
*****

1	a)	What is multimedia? Explain different components of Multimedia?	[8]
	b)	Briefly explain about colour models in images?	[7]
2	a)	Explain about SECAM video?	[8]
	b)	What are the advantages of digital representation for video?	[7]
3	a)	What are the features of Action Script 2.0?	[8]
	b)	Explain about static typing with example?	[7]
4	a)	What is casting? Explain with example?	[7]
	b)	Briefly explain about the concept of Exceptions?	[8]
5	a)	Explain the steps to specify the export name for classes in the movie?	[8]
	b)	Explain the procedure for linking Avatar Symbol to Avatar Class?	[7]

6   Explain about the following.
         a) Quantization   [8]
         b) Huffman coding   [7]

7   Briefly discuss about Video compression techniques?   [15]

8   Write a short note on
         a) Media on Demand   [8]
         b) Multimedia over IP   [7]

Code No: **R4205B**   **R10**   **Set No. 2**

IV B.Tech II Semester Regular Examinations, April/May - 2014
MULTIMEDIA & APPLICATION DEVELOPMENT
(Common to Computer Science & Engineering and Information Technology)

Time : 3 hours   Max. Marks: 75

Answer any Five Questions
All Questions carry equal marks
*****

1 a) Explain the history of multimedia?   [8]
   b) Write a short note on Image data types?   [7]

2 a) Explain about PAL video?   [8]
   b) Briefly explain about Chroma subsampling?   [7]

3 a) Explain about object oriented Action Script?   [7]
   b) Write a short note on
         i) Object creation
         ii) Object usage   [8]

4 a) What is data conversion? Explain about with example?   [8]
   b) Briefly explain about the concept of Interface?   [7]

5 a) Explain the overview of concurrency converter application?   [8]
   b) Write a short on creating Avatar instances?   [7]

6   Explain about the following Lossy compression algorithms
         a) Transform coding   [8]
         b) Wvelet Based coding   [7]

7   Briefly discuss about Video compression techniques?   [15]

8   Write a short note on
         a) Media on Demand   [8]
         b) Multimedia over ATM   [7]

Code No: **R4205B**   # R10   Set No. 3

IV B.Tech II Semester Regular Examinations, April/May - 2014
MULTIMEDIA & APPLICATION DEVELOPMENT
(Common to Computer Science & Engineering and Information Technology)

Time : 3 hours   Max. Marks: 75

Answer any Five Questions
All Questions carry equal marks
*****

1	a)	Write a short note on Hypermedia?	[8]
	b)	Explain the overview of multimedia software tools?	[7]
2	a)	Explain about NTSC video?	[7]
	b)	Briefly explain about colour models in video?	[8]
3	a)	Discuss about various data types used in Action Script?	[8]
	b)	Explain about dynamic type checking?	[7]
4	a)	What is class and object? Explain their syntax with examples?	[8]
	b)	Briefly explain about the concept of Packages?	[7]
5	a)	Explain about creation of a Avatar symbol Movie Clip?	[8]
	b)	Explain the steps to specify the export name for classes in the movie?	[7]

6   Explain about the following Lossless compression algorithms
        a) Variable length coding   [8]
        b) Arithmetic coding   [7]

7   Briefly discuss about Audio compression techniques?   [15]

8   Write a short note on
        a) Media on Demand   [8]
        b) MPEG – 4   [7]

Code No: **R4205B**   **R10**   Set No. 4

IV B.Tech II Semester Regular Examinations, April/May - 2014
MULTIMEDIA & APPLICATION DEVELOPMENT
(Common to Computer Science & Engineering and Information Technology)

Time : 3 hours   Max. Marks: 75

Answer any Five Questions
All Questions carry equal marks
*****

1	a)	Explain about World Wide Web?	[8]
	b)	What are the applications of multimedia?	[7]
2		Describe the different types of video signals?	[15]
3	a)	Discuss about type checking in Action Script?	[7]
	b)	Explain about static type checking?	[8]
4	a)	Write a short note on Access Control Modifier?	[8]
	b)	Briefly explain about the concept of Inheritance?	[7]
5	a)	What are the steps to build Avatar symbols time line?	[8]
	b)	Explain the overview of concurrency converter application?	[7]
6		Explain about the following Lossless compression algorithms	
		a) Run length coding	[8]
		b) Dictionary Based coding	[7]
7		Briefly discuss about Audio compression techniques?	[15]
8		Write a short note on	
		a) MPEG - 4	[8]
		b) Multimedia Data Transmission	[7]

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