

Code :R7410507

R7

**IV B.Tech I Semester(R07) Supplementary Examinations, May/June 2011
MULTIMEDIA & APPLICATION DEVELOPMENT**

**(Common to Computer Science & Engineering, Information Technology, Computer Science
& Systems Engineering)**

Time: 3 hours

Max Marks: 80

**Answer any FIVE questions
All questions carry equal marks**

1. (a) Give a note on graphics and image editing tools.
(b) Discuss about color-matching functions.
(c) Explain the color model used in NTSC color TC broadcasting.
2. (a) Describe the types of video signals.
(b) What is Chroma subsampling?
(c) Discuss Nyquist theorem.
3. (a) Make a comparison of procedural programming and object-oriented programming.
(b) What is type checking? Discuss the types of type checking. List the merits and demerits of each type.
4. (a) Why inheritance? Discuss the concepts of polymorphism and dynamic binding.
(b) How to add a new directory to the class path? Explain.
(c) Give the syntax of interface.
5. (a) Describe the quality of movie clip subclasses.
(b) What is a nested asset? Discuss the issues of nested assets.
6. (a) What are the advantages and disadvantages of arithmetic coding as compared to Huffman coding?
(b) Discuss about wavelet-based coding in brief.
7. (a) Explain searching techniques for motion vectors.
(b) What is speech coding? Describe ADPCM in speech coding.
8. (a) Explain QOS for TP protocols.
(b) Discuss Real-time streaming protocol.
(c) List the OSI networks layers.
