



**B.Tech. Degree VII Semester (Supplementary) Examination in
Computer Science and Engineering
March 2003**

**CS 704 MULTIMEDIA SYSTEMS AND G.U.I.
(1998 Admissions)**

Time: 3 Hours

Maximum Marks: 100

- I. (a) Clearly distinguish a multimedia software from an authoring software for multimedia. Give examples for each. (10)
- (b) What are multimedia databases? (10)
- OR**
- II. (a) Define the following terms:
(i) Multimedia network (10)
(ii) Multimedia operating systems (10)
- (b) Clearly define the term "Multimedia" by giving suitable examples. (10)
- III. With a neat diagram explain MIDI. Explain its various signalling mechanisms and explain how a synthesizer communicates with a PC using MIDI. (20)
- OR**
- IV. (a) Distinguish analog video from digital video with typical examples. (10)
- (b) Distinguish graphics and video media type. (10)
- V. (a) Distinguish an abstract and concrete class with example. (10)
- (b) What is a component class? Explain with example. (10)
- OR**
- VI. Clearly explain the full "Hello World" video example that uses ports and connectors. (20)
- VII. (a) What is an integrated multimedia system? (10)
- (b) Explain communication wall system with diagrams. (10)
- OR**
- VIII. Explain the Polikom system in detail and explain how effectively it satisfies the criterias of an integrated multimedia system. (20)
- IX. (a) What are task action gramers and production systems? (10)
- (b) What are transition network? (10)
- OR**
- X. (a) Explain the salient features of a typical windows product. (10)
- (b) Explain any tools that can be used to design visual components. (10)