

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

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**CS 803 MULTIMEDIA SYSTEMS
(1995 Admissions)**

Time: 3 Hours

Maximum Marks: 100

- I. (a) What is multimedia? (5)
(b) Explain the classification of hardware depending on the functionality. (15)
- OR**
- II. Write short notes on:
(i) Multimedia operating system
(ii) Multimedia database systems
(iii) Multimedia tool kits
(iv) Multimedia authoring systems (20)
- III. (a) Explain the specification of the CD documented in the Red Book. (10)
(b) Discuss various CD – i media types. (10)
- OR**
- IV. Explain CD - i architecture and software environment. (20)
- V. (a) Define active object, persistent objects, distributed object environments and class frameworks. (10)
(b) Explain multimedia framework and the requirements related to multimedia programming. (10)
- OR**
- VI. (a) Explain how an object oriented programming language is suitable for multimedia programming. (10)
(b) Explain class hierarchy using suitable example in the multimedia environment. (10)
- VII. Explain media classes and temporal media classes with example. (10)
- OR**
- VIII. Define transform class and format class with example. (10)
- IX. Explain the structure and status of a Polikom program. (10)
- OR**
- X. What are the components of communication wall? (10)
- XI. (a) Describe Mac Director in detail. (10)
(b) Explain 3D modelling and animation. (10)
- OR**
- XII. (a) Explain the video capturing and special effects that can give in the captured video. (10)
(b) Explain authoring and presentation tools. (10)

