

**B.Tech. Degree VIII Semester (Supplementary) Examination in  
Computer Science and Engineering  
October 2002**

**CS 803 MULTIMEDIA SYSTEMS**

Time: 3 Hours

Maximum Marks: 100

- I. (a) Distinguish Video compositing and filtering with example. (10)  
 (b) What do you mean by channel depth? Explain with example. (5)  
 (c) What do you mean by aspect ratio and alpha channels with respect to an image? (5)
- OR**
- II. (a) Distinguish CMYK and RGB color scheme with suitable example. (5)  
 (b) Discuss any temporal and non temporal datatype with example. (15)
- III. (a) Distinguish VCD and Photo CD explaining their typical characteristics. (5)  
 (b) What are configuration, composition and activation with respect to CD - i? (10)
- OR**
- IV. (a) Explain the quick time format in detail. (5)  
 (b) Explain the DVI architecture in detail. (10)
- V. (a) How abstract classes are useful in modelling an object oriented frame work? (10)  
 (b) Write a simple class hierarchy in C++ (5)
- OR**
- VI. (a) Explain what do you mean by a multimedia frame work. (5)  
 (b) What are active and persistent objects? (10)
- VII. (a) What are ports and connectors? (10)  
 (b) Explain transform classes with examples. (10)
- OR**
- VIII. Write short notes on following:  
 (i) Querying format clauses. (20)  
 (ii) Power control and initialization of component classes
- IX. (a) Explain VBN functionality of Polikom systems. (5)  
 (b) Explain the ATM out look and the A/V modules of polikom network. Clearly explain with consolidated diagrams. (5)
- OR**
- X. (a) Explain the components of a basic communication wall system. (5)  
 (b) What is a multiparticipant communication wall? (5)
- XI. (a) Describe the process of extrusion and lofting. (10)  
 (b) Describe how you can simulate a blossoming flower in 3DMax. (10)
- OR**
- XII. (a) Describe Mac Director Software in detail. (10)  
 (b) Explain the steps to attain 3 objects animation in director. (10)

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