

**A 1317**

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

Sixth Semester

Information Technology

IF 364 — MULTIMEDIA SYSTEM

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define kiosks.
2. Compare MIDI and Digital audio.
3. What is MCI? List out the devices supported by MCI.
4. Write the components of voice recognition system.
5. Give the functions of DDE and OLE.
6. What is orchestration?
7. Write note on resource monitoring.
8. Explain the terms intra object synchronization and inter object synchronization.
9. Specify the way in which MDBMS differ from traditional DBMS.
10. State the principle used in multimedia search engine.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Discuss the problems with multimedia system. (6)  
(ii) Explain the overview of multimedia development process. (10)

Or

- (b) (i) Explain the various color models used in drawing images. (6)
- (ii) Describe the concepts used in kinematics and morphing. (10)
- 12. (a) (i) Compare magnetic and optical storage devices. (6)
- (ii) Explain the input devices of multimedia system. (10)

Or

- (b) (i) Give the features of ISDN. (6)
- (ii) Explain the operation of video devices. (10)
- 13. (a) (i) Write the concepts of digital image compression. (6)
- (ii) Describe the features of image editing tools. (10)

Or

- (b) (i) What is authoring? (6)
- (ii) Explain various types of authoring tools. (16)
- 14. (a) Explain QOS architecture in detail. (16)

Or

- (b) Explain the functions, requirements and protocols of transport subsystem. (16)
- 15. (a) (i) What are the characteristics of Multimedia DBMS. (6)
- (ii) Explain about continuous media resource model. (10)

Or

- (b) Write notes on following with respect to multimedia file system. (4 + 4 + 8)
- (i) Storage devices
- (ii) Placement of file on disk
- (iii) Earliest dead line first -- Disk scheduling algorithm

Time

1.

2.

3.

4.

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