

**2007-RAJASTHAN UNIVERSITY**  
IV B.E/B.TECH VII SEMESTER DEGREE EXAMINATION  
**MULTIMEDIA SYSTEMS**  
(COMPUTER SCIENCE ENGINEERING)

TIME-3HOUR  
MARKS-80

ANSWER ALL QUESTIONS

- 1.(a) What are the main properties of Multimedia System? Explain in detail.
- (b) What is Multimedia System? Define different type of media.
- 2.(a) Define all the steps of Image Recognition proce
- (b) What is Dithering? Why is it important?
- 3.(a) Define MPEG. Explain video encoding in MPEG.
- (b) What are the MIDI interface components?
- (c) What are basic sound concepts?
- 4.(a) Define Frame, Track, Area and blocks of a CD-DA. What are the advantages of CD-DA?
- (b) Define different modes of CD-ROM in detail.
- 5.(a) How do image processing and image recognition help in multimedia application?
- (b) How does image preparation take place in H.261? Explain various methods of coding used by H.261 standa
- 6.(a) What is Real Time Operating System? Explain its various features.
- (b) Define Process Management for Real Time System.
- (c) Describe different types of Disk Scheduling.
- 7.(a) How are monotonic algorithms used to control the various managements of the Operating System
- (b) Distinguish between Synchronous. Asynchronous and Isochronous modes data-stream transfer.
8. Write short note on any two of the following:-
  - (a) Huffman Encoding
  - (b) Multimedia File System
  - (c) Lip Synchronization
  - (d) Hypertext, Hypermedia and Multimedia