

M06502

Name:.....

Reg :.....

FIFTH SEMESTER MCA DEGREE EXAMINATION, APRIL 2006
MCA 2K 502: COMPUTER GRAPHICS AND MULTIMEDIA SYSTEMS

Time: 3Hrs

Maximum: 100 marks

Answer any five full questions

1. (a) Explain the Bresenham's scan converting algorithm for circles. (10)
(b) Explain basic 2D geometrical transformations with examples. (10)
2. (a) Explain the various classifications of coding/compression technique? (10)
(b) Define MDBMS, its characteristics and various operations performed on data. (10)
3. (a) What do you mean by clipping? Explain Cohen Sutherland Line Clipping Algorithm. (10)
(b) Explain scan converting lines with algorithm. (10)
4. (a) Explain JPEG compression technique in detail. (10)
(b) Explain MPEG compression technique in detail. (10)
5. (a) Write short notes on
(i) Image analysis (ii) Image synthesis (10)
(b) Explain the basic concepts of sound. (10)
6. (a) Write short notes on
(i) MIDI devices (ii) MIDI messages. (10)
(b) Explain speech generation and analysis in multimedia system. (10)
7. (a) Explain Data Streams Characteristics for continuous media. (10)
(b) Explain multimedia and the main properties of a multimedia system. (10)