

C 31626

Name.....

Reg. No.....

**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
MAY/JUNE 2007**

CS 2K 802—COMPUTER GRAPHICS AND MULTIMEDIA

Maximum : 100 Marks

Time : Three Hours

Answer all questions.

Part A

1. Write down the uses of Computer Graphics.
2. Explain Window-to-view port transformation.
3. Explain the Global structure of Multimedia with a neat diagram.
4. What is LDU ? Explain it in detail.
5. Which one is the heart of MIDI system ? Explain its components.
6. Briefly explain the types of digital codings.
7. Explain the classification of coding techniques in Multimedia.
8. List out the functions of MDBMS.

(8 × 5 = 40 marks)

Part B

9. List out the fundamental techniques used for receiving information created by user interactions.
Explain it with an example. (15 marks)

Or

10. Discuss in detail about the composition of 3D transformations. (15 marks)
11. Explain the data stream characteristics for Continuous Media. (15 marks)

Or

12. What are the types of authoring tools ? Explain card-and-page-based authoring tool in detail. (15 marks)
13. Describe the basic principles of Image Generation. (7 marks)

Or

14. Explain the following :
(a) Principles of HDTV. (8 marks)
(b) Enhanced Definition Systems. (7 marks)

15. Explain the steps of the JPEG compression process. (15 marks)

Or

16. Explain the characteristics of MDBMS. (15 marks)

[4 × 15 = 60 marks]

