C 36467

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EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION, JUNE 2004

CS2K 802. COMPUTER GRAPHICS AND MULTIMEDIA

(New Scheme)

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

Part A

1. Explain the working of the following input devices :—

    (a) Mouse and (b) Touch panel.

2. What is perspective projection ? What are its types ? Explain.

3. Classify Media. Briefly explain each class.

4. What are advantages and disadvantages of CD-ROMs ?

5. Explain the working of sequence.

6. What is Flicker ? Explain with an example.

7. What are the different types of frames that are distinguished by MPEG ?

8. Explain the different ways of storing multimedia data in databases.

(8 × 5 = 40 marks)

Part B

9. Explain how characters and lines are generated in graphics systems.

Or

10. Explain the various interactive picture construction techniques.

(15 marks)

11. Describe the various levels of RAID functionality. Explain their use in multimedia storage system.

Or

12. Describe the data stream characteristics for continuous media.

(15 marks)

13. (a) What are the components of MIDI synthesizer ? Explain their function. (10 marks)

    (b) Explain the use of interpolation in the process of inbetweening in animation. (5 marks)

Or

14. Describe the various measures used in visual representation. (15 marks)

Turn over

15. Describe the characteristics of MDBMS.

Or

16. Describe the features of JPEG standard.

(15 marks)

[4 × 15 = 60 marks]