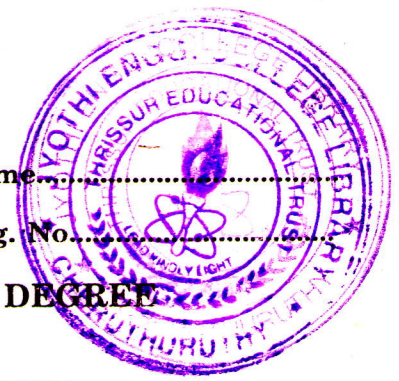


C 20279

Name.....

Reg. No.....



**EIGHTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, JUNE 2006**

CS 2K 802. COMPUTER GRAPHICS AND MULTIMEDIA

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

Part A

1. Write the Cohen-Sutherland line-clipping algorithm.
2. Discuss in detail about the composition of 2D transformations.
3. Describe the properties of a Multimedia System.
4. Write short notes on Communication devices.
5. Briefly explain the types of image formats.
6. Describe the types of Animation Languages.
7. Write short notes on ADPCM.
8. Explain audio encoding in MPEG.

(8 × 5 = 40 marks)

Part B

9. Explain why the Sutherland-Hodgman polygon-clipping algorithm works for only convex clipping regions.

(15 marks)

Or

10. Explain 3D clipping algorithms for parallel and perspective algorithms. (15 marks)
11. Briefly explain the medium and data streams in multimedia. (15 marks)

Or

12. Explain the following in detail :—
 - (a) 3D modeling and Animation Tools. (6 marks)
 - (b) Image Editing Tools. (6 marks)
 - (c) Sound Editing Tools. (3 marks)

13. List out the measures used in Visual Representation and explain it. (15 marks)

Or

14. Discuss in detail about the transmission of video signals. (15 marks)
15. Explain the use of MPEG-2 in Data Compression. (15 marks)

Or

16. Describe the characteristics of an MDBMS. (15 marks)

(4 × 15 = 60 marks)