

D 26541

Name.....

Reg. No.....

**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE
EXAMINATION, DECEMBER 2006**

IT 2K 702—COMPUTER GRAPHICS AND MULTIMEDIA

Time : Three Hours

Maximum : 100 Marks

Answer all questions.

1. (a) How to model objects in 3D ?
(b) Differentiate between Raster and Random graphics systems.
(c) Discuss the properties of a multimedia system.
(d) Explain working of plasma panel display.
(e) Write notes on image recognition.
(f) Discuss the need of Data Compression.
(g) Explain scan conversion.
(h) Discuss generation of characters.

(8 × 5 = 40 marks)

2. (a) Discuss window to view port transformation.
(b) Explain different 2D transformation.

(7 marks)

(8 marks)

Or

3. (a) Discuss basics of solid modelling.
(b) Explain rotation in 3D transformation.
4. (a) Explain different input output devices.
(b) Discuss about multimedia hardware.

(7 marks)

(8 marks)

(8 marks)

(7 marks)

Or

5. (a) Explain about multimedia software.
(b) Discuss different multimedia authoring tools.
6. (a) Explain different audio file formats.
(b) Discuss MIDI vs. Digital audio.

(7 marks)

(8 marks)

(8 marks)

(7 marks)

Or

7. (a) Explain different animation techniques.
(b) Discuss animation for the web.
8. Explain multimedia database systems.

(8 marks)

(7 marks)

(15 marks)

Or

Discuss different data compression techniques.

(15 marks)

[4 × 15 = 60 marks]