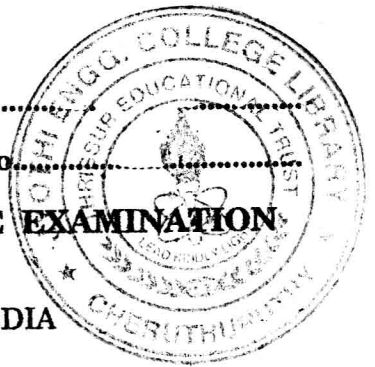


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Name.....

Reg. No.....



**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
DECEMBER 2011**

IT 04 704—COMPUTER GRAPHICS AND MULTIMEDIA

(2004 Admissions)

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all the questions.

- I. (a) Explain input devices and interactive techniques in multimedia.
- (b) Explain briefly 3D projections ?
- (c) Explain briefly memory and storage devices in multimedia systems.
- (d) List and explain multimedia software tools.
- (e) Explain various animation techniques.
- (f) Explain RGB colour model.
- (g) What is need for data analysis in multimedia system ?
- (h) Explain audio encoding in MPEG.

(8 × 5 = 40 marks)

Part B

- II. (a) Explain briefly scan converting lines and circles, generating characters in computer graphics and multimedia systems.

Or

- (b) Explain in detail 3D graphics 3D projections techniques in multimedia.

- III. (a) Enumerate and explain the 3D display methods.

Or

- (b) Explain in detail multimedia hardware and multimedia software tools.

- IV. Explain the various animation techniques stressing Raster Animation and morphing methods.

Or

- (b) (i) Explain MIDI versus digital audio.

(8 marks)

- (ii) Describe various audio file formats.

(7 marks)

Turn over

V. (a) Discuss in detail about the transmission of video signal.

(8 marks)

(b) Explain the need for data compression in multimedia systems.

(7 marks)

Or

(a) Explain multimedia database system model.

(7 marks)

(b) Explain characteristics of multimedia database management systems.

(8 marks)

[4 × 15 = 60 marks]