

(IT 321)

III/IV B.Tech. DEGREE EXAMINATION,
OCTOBER 2005.

Second Semester

MULTIMEDIA SYSTEMS

Time : Three hours

Maximum : 70 marks

All questions carry equal marks.

Answer Question No. 1 compulsorily. (1 × 14 = 14)

Answer ONE question from each Unit. (4 × 14 = 56)

1. Explain in brief :

(a) Define Multimedia.

(b) Cell Animation.

(c) Lossy Compression.

(d) Synchronization.

(e) Morphing.

(f) Quantization.

(g) What is MIDI?

(h) What is dithering?

- (i) Multimedia applications.
- (j) Define Hyper-Media.
- (k) List authoring tool's.
- (l) CuCoder.
- (m) MPEG.
- (n) Video broadcast standard's.

UNIT I

2. (a) What is Digital Audio? Describe the sound editing operation's.
- (b) Explain the components of MIDI Interface.

Or

- (c) Briefly discuss the procedure involved in editing and mixing sound file.
- (d) What is persistence of vision? Explain different Animation techniques.

UNIT II

3. (a) Explain in detail any two compression techniques.

Or

- (b) Explain in detail how to manage resources during multimedia transmission. Explain difference between Asynchronous transmission to synchronous transmission.

UNIT III

4. (a) Explain in detail the synchronization process for multi media systems.

Or

(b) Explain about Hot spots and Button's user interface's. Discuss the purpose of text links and sound links in multi media.

UNIT IV

5. (a) How color palettes are useful for animation?

(b) Explain few applications of multimedia.

Or

(c) Explain in detail how media is prepared, composed, Integrated.

(d) Is special visual effects on images are needed? Justify.