

Roll No.....

Total Pages: 3
1256

BCA/M-17
MULTIMEDIA TOOLS
Paper: BCA-356

Time: Three Hours

Maximum Marks: 80

Note: Attempt five questions in all, selecting at least one question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

Compulsory question

1. (a) Define Multimedia.
(b) What do you mean by VRML?
(c) What are different commonly used file formats?
(d) How is conventional TV different from HDTV?
(e) What is difference between Analog and Digital Audio?
(f) Define Pulse Code Modulation.
(g) What is Transform coding?
(h) What are different modes of JPEG standard?

Unit-I

2. What do you mean by Multimedia Authoring? Explain various types of Authoring tools.
3. (a) Explain different kinds of Multimedia Hardware.
(b) Give a brief overview of Multimedia Software tools.

Unit-II

4. (a) Explain different standards for Chroma Subsampling.
(b) Compare NTSC, PAL and SECAM analog video standards
5. Explain various color models in Images and Video.

Unit-III

6. (a) Write a short note on MIDI.
(b) Explain various digital audio file formats.
7. (a) Explain differential pulse code modulation by using an example.
(b) Explain Delta modulation with example.

Unit-IV

8. What is Data Compression? Explain run length and variable length coding in detail.
9. Explain MPEG video compression technique. How is it different from H.261?