BCA/D-18

MULTIMEDIA TOOLS

BCA-356

Compulsory Question

1. (a) What is the difference between Hypermedia and Multimedia?

   (b) Give some examples of Presentation Tool.

   (c) Define Chroma Sub sampling.

   (d) What is HDTV?

   (e) What is MIDI?

   (f) What do you mean by Digital Audio?

   (g) Name the various MPEG standards.

   (h) Define Compression ration.

Unit I

2. What are different Components and Applications of Multimedia?

3. (a) Define Multimedia Authoring. Explain various features of Authoring tools.

(b) Give brief history of VRML along with its features.

Unit – II

4. (a) What do you mean by File formats? Describe any five file formats.

(b) Explain in brief various Graphics/Image data types.

5. (a) Explain CCIR standards for Digital video.

(b) What do you mean by Analog and Digital video? Explain various types of video signals.

Unit – III

6. Explain the process of Digitization of sound. Also explain various digital Audio file formats.

7. (a) Explain Differential coding of Audio with example.

(b) Explain Lossless Predictive coding by using example.

Unit – IV

8. (a) What is Data Compression? Explain various types of Data Compression.

   (b) Explain a method based on Dictionary based Coding.

9. What is JPEG? Describe various steps of JPEG standard for image compression.