

BCA/D 16
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.

1. (a) What is Hypermedia?
(b) What is Digital Video?
(c) What is Analog Audio?
(d) What is Data Compression?
(e) JPEG stands for.....
(f) GIF stands for.....
(g) BMP stands for.....
(h) PNG stands for.....

Unit-I

2. What is Multimedia? Discuss various applications of Multimedia.

OR

What is Multimedia Authoring? Discuss various Authoring Tools

Unit-II

3. Discuss the following video file formats :
AVI, WMV, MPEG and MP4.

OR

Discuss the following analog video standards : NTSC, PAL and SECAM.

Unit-III

4. Explain the following audio file formats : 3GP AMR, WAV and MP3.

OR

Describe the MIDI (Musical Instrument Digital Interface) Standard.

Unit-IV

5. Discuss the following lossless compression algorithms :

- (i) Huffman
- (ii) Shannon-Fano
- (iii) Adaptive Huffman.

OR

Differentiate between JPEG and MPEG