

BCA / D-15  
MULTIMEDIA TOOLS  
PAPER-BCA-356

Time Allowed: 3 Hours

Maximum Marks: 80

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

Compulsory Question

1. (a) What is Multimedia?  
(b) What is Analog Video?  
(c) What is Digital Audio?  
(d) What is Lossless Image Compression?  
(e) NTSC stands for.....  
(f) PAL stands for.....  
(g) SECAM stands for.....  
(h) MIDI stands for.....

UNIT-I

2. Explain the various types of Authoring Tools.  
OR
3. Explain the various types of Multimedia Tools.

UNIT-II

4. Discuss the following Image file formats.  
JPEG, GIF, BMP and PNG

OR

5. Discuss the RGB and CMY colour model for images.

UNIT-III

6. Differentiate between Analog and Digital Audio.

OR

7. Briefly explain the following compression algorithms:  
(a) Run-Length Coding.  
(b) Variable Length Coding  
(c) Dictionary Based Coding  
(d) Arithmetic Coding.

OR

9. What is video compression? Discuss at least one video compression technique.