

- N.B.** (1) Question No. 1 is compulsory.  
 (2) Attempt any four from the remaining six questions.  
 (3) Illustrate answers with neat sketches wherever required.  
 (4) Answers to questions should be grouped and written together.

- Q. 1** (a) What is Multimedia? Explain in detail various elements of Multimedia. 10  
 (b) A message is consisting of five different symbols ABCDE.  
 The symbol's frequencies are:

Symbol	Frequency
A	24
B	12
C	10
D	8
E	8

- Generate a Huffman code tree? Show Weight order and how many bits are required to transmit the complete string ABCDE. 10
- Q.2** (a) Explain in detail various animation techniques. 08  
 (b) What is meant by the terms Hypermedia and Hypertext? Distinguish between these two concepts. 07
- Q.3** (a) What is MIDI? Explain the advantages and disadvantages of MIDI audio over digital audio. 08  
 (b) List and explain various types of Multimedia authoring tools. 07
- Q.4** (a) Explain analog display standards and digital display standards in detail. 08  
 (b) Explain in detail Vector drawn objects and bitmaps? 07
- Q.5** (a) Explain various considerations involved in delivering a multimedia project. 08  
 (b) Explain video recording and tape formats in detail. 07
- Q.6** (a) Discuss different types of Multimedia Structures? How they are organized. 08  
 (b) Explain the process of making Multimedia Project. 07
- Q.7** Write the short notes on any three 15  
 (a) Alpha and Beta Development  
 (b) CBT  
 (c) Hot Spots  
 (d) Interlacing scanning  
 (e) MPEG Compression Process