

BE - Elective-I : CS 704 Multimedia Systems

P. Pages : 1

Time : Three Hours



GUG/W/16/6540

Max. Marks : 80

- Notes :
1. All questions carry equal marks.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.

1. a) What is Multimedia? Explain various applications of Multimedia. 8
b) What is an Image? Explain its types in details. 8

OR

2. a) Explain Graphic and Image data type. 8
b) Explain Digital Audio techniques in details. 8
3. a) Explain Adaptive Huffman Coding with example. 8
b) Explain Lossless Compression Algorithms. 8

OR

4. a) What is Quantization? Explain Uniform Scalar Quantization in details. 8
b) Explain Run – length encoding and Variable Length Coding. (VLC). 8
5. a) Write main steps in JPEG Image Compression. 8
b) Explain Bilevel Image compressions in details. 8

OR

6. a) Explain MPEG Audio encoder and decoder. 8
b) Write and explain about MPEG Video Coding – I. 8
7. a) Write difference between OSI and TCP/IP protocol architecture. 8
b) Explain ISDN in details. 8

OR

8. a) Explain Wireless Network. 8
b) Explain FDM and TDM Multiplexing techniques. 8

9. Write in detail about two of the most popular applications of Multimedia. 16

OR

10. Write a multimedia case – studies in IS – Education Methodological Approach and Empirical Finding. 16
