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M.C.A. 3rd Sem
Multimedia Technologies

Subject Code: MCAP1360

Paper ID:

Time allowed: 3 Hrs

Max Marks: 60

Important Instructions:

- All questions are compulsory
- Assume any missing data

PART A (2×10)

Q. 1. Short-Answer Questions:

All COs

- (a) Explain various characteristics of Multimedia.
- (b) Differentiate Analog and Digital sound.
- (c) Define sample rate and sample size.
- (d) What is Speech?
- (e) What is Trimming?
- (f) What do you mean by NTSC?
- (g) Write a short note on Image Analysis.
- (h) What are the methods of Image Processing?
- (i) Give a short note on HDTV.
- (j) Give a short note on Human Visual System.

PART B (8×5)

Q. 2. What is Multimedia? Explain its various applications.

CO1

OR

Explain advantages and disadvantages of Multimedia.

CO1

Q. 3. Explain the concept of Speech Generation in detail.

CO2

OR

Explain the different types of Sound Channels in detail.

CO2

Q. 4. Discuss the various Compression Standards.

CO3

OR

Explain Huffman Coding in detail.

CO3

Q. 5. Describe in detail the Text in Multimedia.

CO4

OR

Explain the concept of Graphics in Multimedia.

CO4

Q. 6. With suitable diagrams explain Image Processing Techniques.

CO3

OR

Explain various Video Capturing Instruments.

CO2