

No. of Printed Pages : 03

Roll No.

BB-65

M. Tech. EXAMINATION, Dec. 2017

(Second Semester)

(B. Scheme) (Re-appear Only)

ECE/Industry Integrated

MTEC-510-B

MULTIMEDIA COMMUNICATION

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

(3-44/15)M-BB-65

P.T.O.

Unit I

1. Name all categories of multimedia applications and explain any *two* among them in detail.

15

2. (a) Explain in detail PCM encoding and decoding in respect to digitisation procedure of speech along with compressor and expander characteristics.

10

- (b) Name all digitization formats and explain 4 : 2 : 0 format.

5

Unit II

3. (a) What is source encoding ? Explain *two* widely used encoding techniques under this category.

8

- (b) What do you understand by JPEG ? Explain JPEG decoder with proper description of each block.

7

4. Explain the concept of digitized documents or the principle of operation of scanners to digitize printed documents along with mode descriptions.

15

Unit III

5. Write a detailed note on MPEG audio coders as an audio compression techniques.

15

6. (a) Describe MPEG-1 along with its digitization format.

10

- (b) Draw implementation schematics for I-frames and explain briefly.

5

Unit IV

7. Explain all tools for World Wide Web.

15

8. Write a detailed note on HTML.

15