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Question Paper Code: 52201

M.E. DEGREE EXAMINATION, MAY 2017

Elective

Communication Systems

15PCM505 - DATA COMPRESSION

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) Explain how to distinguish Lossless data compression from Lossy data compression. (20)

Or

- (b) Explain in detail about midi audio multimedia applications with necessary diagrams. (20)

2. (a) Encode “aacdeaab” using Adaptive Huffman code. Derive Output string, Codes and final tree. (20)

Or

- (b) Explain in detail about static Huffman coding with examples. (20)

3. (a) Explain Linear predictive coding and Code excited LPC. (20)

Or

- (b) Explain in detail about μ -law and A-law companding techniques. (20)

4. (a) Explain static, dynamic and interlaced mode of Graphical interchange format. (20)

Or

(b) Explain in detail about JBIG2 standards. (20)

5. (a) Write a note in ITU-T recommendation H.261 standard. (20)

Or

(b) Explain in detail about Motion estimation and compensation techniques. (20)
