ID No:_____   Enrollment No: new:-
                                                      2161603

GUJARAT TECHNOLOGICAL UNIVERSITY
G.H.PATEL COLLEGE OF ENGINEERING & TECHNOLOGY
B.E – SEMESTER – VI Remid-EXAMINATION- March 2016

Subject code: 2161603   Date: 30/03/2017
Subject Name: Data Compression & Data Retrieval
Time : 04.30 pm – 05.30 am   Total Marks: 20

Instructions:
1. Make Suitable assumptions whenever necessary.
2. Figures to the right indicate full marks.

Q.1	Explain Adaptive Huffman encoding technique in detail.	(5)
Q.2	Discuss Relation of Modeling and Coding	(5)
	OR	
	Explain working of LZ78 Algorithm in detail.	(5)
Q.3 (a)	Explain Rice Codes in Detail.	(5)
(b)	Differentiate LZ77 & LZSS. Also give example.	(5)
	OR	
Q.3 (a)	How tunstall code differs from other conventional codes.	(5)
(b)	Discuss advantages and disadvantages of arithmetic encoding.	(5)

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