	Name: Keyur Patel Rall no: 16 0 10 h 2 10 73 Batch: A-2	PAGE NO.		
	Date: 16/2/23	DATE: \		
	ITC Tutorial-3	19/00/		
	31300400013	3.3		
(a.1)	Encode the message PROOF using	g arithematic		
	Encode the message "PROOF" wising	/		
(0.2)	Encode message - "banana - LZW coding: " 1000 - 300 -	ba dadda Usbung		
	LZW Coding:			
1	7 . 21 . 2 . 1 . 1 . 2	Ale seth roding		
(9,3)	Encode the following using sun length coding. S = 1 1 1 1 1 1 1 000 000 000			
	5= [F85 0		
[Α	Parlack = N = D 2 d d Proc	1 of 6' - 2 -0.4		
Ans 1) Proof of P = 1 = 0 = 2 3 3 Proo	5		
S) ·	= Proof of R=1010=022-125	3 9 . 0		
	5			
	Phoof of F = 1 = 0.2	0.6867		
	4 0,0	0.696 0.6864		
F	0.2 10 2 10 20 10 10 10	0.648 - 068512 - 0.68614		
200	0.7600-0.712	2000		
Po	0.2 -0.72 -0.704	0.6896 -0.68384 -0.68 5888		
0	0.62	1 1 2 (1)		
R	27 231 601 30101 - 60	0.6864 -0.68256 -0.68 5632		
0	0.4	0.10		
U	0.4			
	(For P) > 0.6+0.2x0.4			
	= 0.68			
	0.68 70.2x0.2 - 0.68 70.04 = 0.72			
	= 0.72 + 0.2 × 0.2			
	$\in \mathbb{A} \to \mathbb{A}$			

DATE: \ For R > R-holoty POPE 0-68 +0.04 x0.4 =0.696 0.696 +0:04 x012 =0.17 0701 0,704 +0.04 x0.2 =0.712 some in Fost box - some of the second of the second 0.68 +0.01 ×0.016 = 0.68 64 0.6864 + 0.2 × 0.016 = 0.68 96 1006896 + 002 x0,016 = 01619.28 0.68+0,0664 x004 = 0.68256 0.68256 + 0.0064 x 0.2 = 0.68384 0.68384+0.00664×0.2=0.68512 For 'f' side for form 0.68512 +0.00128x0.4=0.685632 0. 685 632 +-0.00128 x 0.2 = 0.68 5888 0,685 888 + B.00128 × 0.2 = 6,686144 12250 - 3880 0 - 405.0 - 36.0 -The final answer is the lawer value of last . The final answer is 0.68 \$12

Name: Keyur Patel Rollno: 16010421073 PAGE NO. Batch: A-2 late: 16/2/23 DATE: \ \ Original dittionary Ans 2) Code 1 Seen 1 Encoded 001 annent Belove Ves b ba15 had No No ba In an NO Cansyly 200 supportion ban la 0, 1, 2, 6 Holdmigi bana /n 0, 1, 2, 6, banan/a Ves na Non 20, 1, 12, 6, 7, 10 banana 12a -> (01, 2, 6, 7, 1, 3 No banana 56 - b 23 0, 1, 2, 6, 7, 1, 3, Yes banara-6/9 bassin 0,1,2,6,7,135,1 No banana -bald adit 6,1,2,6,7,1,3,5,1,4 No da banang-bada 0,1,26,71,351,10 ad Yes banana-badala 0,1,2,6,7,1,3,5,1,5,10,1) Y banana - badad/a da 0,1,2,6,7,1,3,5,1,4,10,11 No banana - badada/a aa Yus 0,1,2,6,7,1,3,51,3 aa aa 10, 11, 1, 12 Final code is = 0,1,2,6,7,1,3,5,1,2,10,11,1,12

PAGE NO			
DATE:	1	1	
1 2		200	, ra

We will make groups here ·. 19 (1'5), 19(0'5), 4(1'5) No we will represent natural no into (1111) (100011, 0), (1001) Total no of original bits - 38 Total no of grouped bits -15 Campressan = grauped bits
oxigenat bets Compression Lation = 15 1 = 0.394 Compression gation