



	Page No.					
	Onte					
	Questions !					
	Find Muyman codes, efficiency and variance of 0.4,0,2,0,2,0,1,0,1					
	I III (ode v.					
	5, 0.4 70.4 70.670 00 2					
	S2 0.2 >0.2 >0.2   0.47°   04   10					
	52 0.2 0.2 0.2					
	Sy 0.17° 0.25, 010 3					
	5 0.11					
	n= Y+d(Y-1) → 5= 2+ d(2-1) → # d=3					
	N = 5 P: 100 YP: = 0.4 10: 1 0.010: 1					
	$81 = \frac{5}{2} P_1 \log_2 1P_2 = 0.4 \log_2 1_{0.2} \log_2 1_{0.2} \times 2 + 0.1 \log_2 1_{0.2}$					
	= 2.1216 bits/symbols					
	$\overline{L} = \sum_{i=1}^{N} P_i N_i = 0.4 \times 2 + 0.2 \times 2 + 0.1 \times 3 + 0.1 \times 3$					
	= 2.2 bits/84 mbo)					
	e = 1/21 = 2.1216 = 96.4%					
	L log 2 2.2 log 2					
	-12					
	5° = = P: (h: -1) = 0.4(2-2.2) + 0.2 × 27(2-2.2) + 0.1(3-2.2) ×2					
	Vanayie Vanayie					
	5 = 0.16 4					
2	Binary Human Coding of 42, 1/4, 1/8, 1/8					
7	S: Code ni					
	S. 1/2 -> 1/2 7° 1					
	c 1/4 5 1/4 70 1/2 J. 01 2					
	2 20					
	54 1/8 ], 001 3					
	N= 0.5+0.5+0.75 = 1.75 bits/symbols					
	I= 1.75 bits / symbols					
	e = 81 = 1 = 100 %.					
	I log 2					

					Page No.		
					Data		
3	Quartowary	reding &	0.11 < 9	times	The Paris of the P		
>	N= + + × (x-1) -> 9= 14+ × (4-1)						
	x = 1.6 : It should be integer.						
	Add duminy prob = 0						
		rex(r-1)	-> 10=	4td i	3-3 2=2		
	S: P:	I	S.O. I	1 5 9 4	C; N;		
2	WS. 0.11	70.33	730.	4470	2 1		
	5, 0.4	0.11	130	.33	3000		
A	S <sub>2</sub> 0.11	0.11	0	01) 2	00 2		
	Sy 0.11	0.11		11 13	0122		
	5 0.11	0.11	0/2	91 10	02 2		
	5, 0.11	0.11			03 2		
	5, 0.11	70 70.11	J3		10 2		
	58 0.11	0 4 280+	x 2+ 0,0 + 2 ×	11.5 =	N113 = 2		
	Sio 0.0	12					
			38,001	0.0	y pol I		
•	12W Enading						
34.45	Segnence ababbabcabababababababababababababababa						
	quital 12w ditionary index entry						
->	Enladed 0/p	Index	Earthy	1 3	and		
		7	a J	2	ball parties		
	No. of the	2	b	3	Cha 3		
	1	3	C 1	11	21		
	- 1	4	ab	Output	:124,5,23		
	2 2	5	ba	N. Carlotte	846,18		
	8 400	6	abb	1	3/1		
	5	0	bab				
	2	9 g	bio.	250000	10.68.0.18		
	3		ca	Line 12	MALE OF THE		
	4	. 10	aba	7	18 23 3		
	, , 6 . ,	11 .	abba.	1 18			



