

Batch: A4 Roll No.:\6010421134 Experiment / assignment / tutorial No. 12 Grade: AA/ AB / BB / BC / CC / CD / DD

Signature of the Faculty In-Charge with date

00	What is the entropy of the image below (0,20,50,99)							
<u> </u>	denotes the grey level intensitities							
į i	tailera the gay							
	99	990	9 99	99	99	99	99	
	20	20 2	0 20	20	20	20	20	
	0	0 0) 0	0	U	U	0	
	0	05	50	50	50	0	0	
1	0	0/5	190	50	50	6	0	
	0	0/50	50	50	50	0	0	
	0	0 50			50			
	0	00	0	0	0	0	0	
	Consider a source S= {5, 52, 53, 54} with probabilities							
Q2)								
	P= { 1/2, 1/4, 1/4 5. And self intomation of each							
	entropy of S							
2)	Q3) An event has four possible outcomes with probabilities P, =							
_ (Q 5)								
	a trace entropy at the system. Fise correction							
	if there are 16 outromes / second.							
04)	A code is composed of dots (dashes. Assuming clash is 3 times dot & has 1/3 rd probability. Calculate							
	Dinformation in dots & dash							
	@ entropy of dot-dash code @ entropy of dot-dash code @ Avg rate of info if a dot lasts for 10 milisec							
	and this same interval is allowed between symbols.							
	and trus	2000						



K.J. Somaiva College of Engineering, Vidyavihar (E), Mumbai - 400 077.