R	egistra	ation No :					
	0						
Tota	l Num	ber of Pages: 02	2				.Tech ∟5I102
	210		ROPROCESSO BF	ar/Back Examir R AND MICRO RANCH : EEE		210	
			Ма	me : 3 Hours x Marks : 100 CODE : E389			
Ar	nswer	Question No.1 (I		s compulsory, a rom Part-III.	any eight from P	art-II and any	two
	210	² The fig			indicate [®] marks.	210	
04			0	Part-I			0 40
Q1		hort Answer Type	•	,		•	2 x 10
	•	Iention the number			•	cnip.	
	-	Vhat are HOLD and Vhat is the need for	-				
	-	xplain 8086 AAA ir		210	210	210	
	-	lame the special fu			210	210	
	-	When 8051 overflow	-				
	•	Vhat is the advanta	· / •		MP addr16 in 8051	?	
		Vrite instructions in					
	-	Iention first sixteen		•	•		
	j) V	Vhat are the machir	ne cycles and the	e total T-states in t	the instruction SHL	D 3000H?	
	210	210	210	210	210	210	
~~	_			Part- II			<i>.</i>
Q2		ocused-Short Ans	•••	•	-	•	(6 x 8
	b) V	Vhat is addressing? Vrite 8085 prograr umbers.		•			
		oraw and explain in 085 processor, with				1501H in the	
	610	Vrite a program in a		EIU	EIU	rom an arrav	
	o tł	f ten data bytes. U ne byte.	se two memory	pointers: one to g	et a byte and the c	other to store	
	, p	how the interfacing rogram to generate	e a square wavef	orm.	-	3255. Write a	
		xplain the function	•	•			
)iscuss RAM memo nterface two [®] 8KB ×	• •			occor ²¹ bing	
	7	4LS138 decoder, 000H and 8000H re	such that the s				
		Vrite an ALP in 808 ddress 3000H.	36 to transfer ter	data words from	offset address 20	00H to offset	
	j) D	oraw and explain the	e architectural de	etails of the 8051 i	micrcontroller.		
	210 (i	Vrite initialization in) Interrupt vector a ested mode.			• •		
		Vrite a program to	multiply two 9	hit numbers in t	he internal RAM a	ind store the	

210	210) 210	210	210	210	210	210				
	Part-IIILong Answer Type Questions (Answer Any TWO out of FOUR)Q3Write a brief note on the I/O modes of the 8255 PPI.										
210	Q4 210	What are the different control words of the 8279 keyboard display controller? Explain the function of each command 210 210 210 210									
	Q5	Draw the register of functions of each reg		e 8086 microp	rocessor and e	xplain typical	(16)				
	Q6	Write a main prograr each count. Write a that the operating fre	service routine to	generate the n	vith a 2 second de ecessary time de	elay between elay. Assume	(16)				
210	210	210	210	210	210	210	210				
210	210	210	210	210	210	210	210				
210	210) 210	210	210	210	210	210				
210	210) 210	210	210	210	210	210				
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210	210) 210	210	210	210	210	210				