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Tota	al Nu	ımber of Paç	ges:	02	<u> </u>	<u> </u>	<u> </u>				<u> </u>]			B.Te	ch
210	Ans	wer Questio	n No	Mio	cropi	roces Bf Ti Ma Q. whicl	gular ssor RAN(me: 3 x Ma COD h are ht ha	& Mi CH: E 3 Ho rks: E: B com	croce EEE urs 100 403 puls	ontro	oller	ny f				PEL5I1	21
Q1	a) b) c) d)	(i) Register Direct (ii) Immediate (iii) Memory direct (iv) Indirect How much memory, in terms of bytes, can be interfaced with the 8086 Which one of the following is not a maskable interrupt? (i) TRAP ₂ (ii) INTR (iii) RST 7.5 (iv) RST 5.5 The minimum pulse width of 8085 INTR signal is								(2x10	21						
210	e) f) g) h) i)	Let CS = 300 instruction is How many po (i) 2 (ii) 3 (iii)	to be orts a 4 (iv tack record) A (iv tack record) PSV	nd IP fetch re ava) 5 nemo ntains V (iv)	= 200 ed is ailable ory in a all the	00H. 7 ——— e in 82 8051 e flag	The m 255? is s of th	nemor	y add	Iress	210			next			21
Q2 210	a) b) c) d) e) f) g) h) i)	Answer the the Mention the the What is the new Which instruct What is the few What are the What are the Explain 8086 Name some and Describe the [2437H] in 80	hree ength eed ounction control common XLA applications a	ways of sta of inte can be on of s rol an mon f T inst cation	to distance to distance to distance to distance the total total to distance the total total total to distance the total to	sable controlled to a sent over us signs of the sent on the sent of the sent o	8085 in 800 oller? access verride gnals Intel 8	vectors 51? V s the l e pref lines s 3255 l	r inte Vhat i /O po ix? Gi availa C?	rrupts s its u orts of ive tw able ir	ise? the 8 to exa	ample 5?	s.	210 10V		(2x10	21
Q3	a) b)	Explain the operation of the following instructions. Also specify the number of T-states and name of the machine cycles involved in each instruction: (i) ADD r (ii) CPI 8-bit (iii) JZ 16-bit (iv) PUSH Rp and (v) MOV A, M										of	(10) (5)	21			
Q4 210	a) b)	What is mean structure of the Write an asse	ne 80 embly	85, w lang	ith the uage	e help progr	of a am fo	circui	t diag	ram.	210			210		(10) (5)	21

Q5	a) b)	Draw the block diagram of the 8259 and explain how it can be used for increasing the interrupt capabilities of the 8085. Write 8085 program to generate a delay of 1 second.									
Q6 210	a) b)	Describe the different data transfer instructions in the 8086 giving examples of each. 210 210 210 210 210 210 210 210 210 21									
Q7	a) b)	List the sequence of operations carried out in DMA. Describe the function of general purpose and special purpose registers of 8086.									
Q 80	a) b)	Draw and explain the architectural details of the 8051. Write 8051 program to add three 8-bit numbers. Store the result in memory locations 50H and 51H of the internal RAM.									
Q9	a) b)	Explain mode 1 operation and BSR mode of operation of 8255 using examples. Discuss 8051 addressing modes with suitable example.									
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