

(1)

2 Answer the following questions: (any two)

- (a) Draw and explain the architecture of an 8085 7 microprocessor.
- (b) Write a note on interrupts of an 8085 microprocessor. 7
- (c) Explain the 2-key lockout option and the N-key rollover option and also explain MVI, LXI, LDA, STA, XCHG instruction with example.

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3	Answer the following questions:		14
	(a)	Draw and explain the timing diagram for execution	7
		of the instruction in 8085 microprocessor.	
	(b)	Write a note on addressing modes of an 8085	7
		microprocessor.	
		OR	
3	Ans	ewer the following questions:	14
	(a)	Explain Mode-2 of an 8255 chip with suitable diagram.	7
	(b)	Explain the programming of an 8259 chip.	7
4	Ans	swer the following questions:	14
	(a)	Write an 8085 assembly language program for the	7
		following:	
		(i) Subtract two values and save the result of subtraction at the memory location 8100H.	
		(ii) Add two 8-bit numbers without considering the carry.	
	(b)	Explain Mode-0 of operation "interrupt on terminal count" of 8253 chip.	7
5	Ans	swer the following questions : (any two)	14
	(a)	Draw and explain the functional block diagram of	7
		8259 chip in detail.	
	(b)	Draw and explain the functional block diagram of	7
		8255 chip in detail.	
	(c)	Explain the functional block diagram of 8253 chip	7
		in detail.	
	(d)	Explain the functional block diagram of 8251 chip in detail	7

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