17443

118 3 F	319 Iours / 100 N	Aarks	Seat No.							
	Instructions :	 (2) Illustrate ye (3) Figures to t (4) Assume suit (5) Mobile Pho 	ns are compulso our answers with he right indicate table data, if ne one, Pager and a not permissible	n neat s e full m cessary ny othe	arks. er Electi	ronic C			-	
									N	Aarks
1.	A) Attempt any six	K :								12
	a) Classify	the buses of 808	35.							
	b) Define m	achine cycle.								
	c) Draw De	multiplexing dia	agram of ADO-	AD, bu	s in 808	35.				
	d) Which ty	pe of memory a	vailable in 8155	? State	e its cap	pacity.				
	e) State the	function of stac	k.							
	f) How the	port C is divide	d in Group A an	d Grou	pBof8	8255?				
	U / U	data transfer tec	-							
	,	-	nstructions and i	ewrite	the inst	ruction.				
	i) X CH									
	ii) STA F	FH.								
	B) Attempt any tw		-							8
			O mapped I/O. V		e addre	ess of 82	255.			
		1	diagram of 815							
	/	U 1	pper motor with stepper motor c		•				y	
2.	Attempt any four of	of the following	:							16
	a) List the different control signals in 8085 and draw the suitable diagram to generate control signals.								trol	
	b) Write assembly	language progra	am to add two 8	bit nur	nber.					
	c) Draw timing dia	agram of STA 70	000 H instructio	n.						
	d) Differentiate be				errupts ((any 4 p	ots)			
	e) Explain the fun			5.						
	f) Describe the BS	SR mode of 825:	5.							

	Ma	rks	
3.	ttempt any four of the following :		
	a) Draw flag register of 8085 and explain function of each bit.		
	b) Draw flowchart and write a program for substraction of two 16 bit no's stored in internal memory.		
	c) Draw timing diagram of read machine cycle.		
	d) Draw the format of SIM instruction and explain the function of each bit.		
	e) Compare I/O mapped I/O and memory mapped I/O (any 8 pts).		
	f) Draw block diagram of 8355.		
4.	Attempt any four of the following :	16	
	a) Write salient features of 8085 (any eight).		
	b) State the function of LDA address and SHLD address instruction.		
	c) Explain any four arithmetic instruction by giving an examples of each.		
	d) Write assembly language program to generate square wave of SOD line.		
	e) Give any four features of 8355.		
	f) Draw and explain the control word format of 8255.		
5.	Attempt any four of the following :	16	
	a) Draw block diagram of microcomputer and explain.		
	b) Write the priority of H/W interrupt of 8085 along with their vector address.		
	c) Describe the function of EI and DI.		
	d) Interface 8K byte of ROM by using 4K byte of memory chips.		
	e) Write the timer modes of 8155 and explain any one with timing diagram.		
	f) Draw interfacing of ADC to 8085 through 8255.		
6.	Attempt any four of the following :	16	
	a) Draw the architecture of 8085 microprocessor.		
	b) Explain the function of instruction register and instruction decoder of 8085.		
	c) What is subroutine ? State any two advantages of sub-routine.		
	d) LED is connected to SOD line of 8085 write the instruction to 'ON' the LED.		
	e) Draw block diagram of 8255.		
	f) Draw the interfacing diagram of 7 segment display to 8085 through 8255.		