Reg	istra	ation no:														
102 Tota	al Nu	umber of Paç	ges: (02	102			102			102			102	<u>M</u> MCC	102 ICA 102
	MIC	3' ROPROCE				AS	SEN		' LA			016- E PI		RAM	MING	
102		102			102	Tir Ma	ne: 3	3 Ho arks E: Y	urs : 70		102			102		102
A	nsv	ver Questic The fig				ch is	COI	mpu	lsor	_		_			he res	t.
Q102		Answer the	follo	owing	¹⁰² g que	estio	ns:	102			102			102	(2 x 1	1 0)
	a)	Why the PC	and	SP r	egiste	ers a	re 16	-bit ir	808	5 mio	cropr	oces	sor?			
	b)	Which gates	s are	calle	d uni	versa	al log	ic gat	es ar	nd wh	ny?					
	c)	Which flip-fle	op is	calle	d as	trans	pare	nt late	ch?							
102	d)	Convert	decii	mal n	umbe	er 38	into	hexa	decin	nal ?	102			102		102
	e)	What is the	mear	ning (of AD	СВ	instru	ıction	?							
	f)	How many 1	Γ-stat	tes a	re the	ere in	Орс	ode F	etch	mac	hine	cycle	?			
	g)	What is the	differ	ence	betw	veen	a bu	ffer a	nd tri-	-state	e buf	fer?				
102	h)	Write an ins	tructi	on to	initia	alize	stack	102 with	the a	ıddre	102 SS 10	000H	-	102		102
	i)	Which port of use?	of 82	55 PI	PI ca⊦	n be	devic	led in	to tw	o pai	rts ar	nd wh	at is	its		
	j)	Write the tru	ıth ta	ble o	f JK F	-lip-fl	lop.									
Q2	a)	Draw and exhelp of neces	-					808	5 mic	ropro	oces:	sor wi	ith th	e 102	(5)	102
	b)	Explain the in 8085 mic		-		ole re	giste	r pair	s and	d 16-	bit re	giste	rs ava	ailbe	(5)	
Q3	a)	What are the	e diff	erent	addr	essir	ng mo	odes	of 80	85 m	nicrop	oroce	ssor?		(5)	
102		Explain with	exar	mples	102 S.			102			102			102		102
	b)	Write an ass		-			•				•				(5)	
		data in desc	endii	ng or	der. A	Assu	me th	nat the	e data	a are	ava	ilable	from			

Q4₂	a)	Draw the timing diag	ram of LDA 450	00H instruction	102	102	(7) 10
	b)	How to handle the I/O necessary instruction		•	essor? Explain	the	(3)
Q5	a)	Perform 45 + (- 30)	using 2's comp	plement arithme	tic .	102	(5)
	b)	What is subroutine.D having starting addre		n example how t	o call a subrou	tine ((2+3)
Q6	a)	Describe the Min and diagram ²	d Max mode of	8086 microproc	essor with pin	102	(5)
	b)	Explain the I/O contr make all the ports of			control word to	((3+2)
Q7	a)	Draw the Flag regi	ster of 8085	microprocessor	. Add the two	data	(5)
102	,	A=10101100 , B=110		•		102	10
	b)	A=101011100 , B=110 Draw the block diagr	001100 and find	d the status of d	ifferent flags.	102	. ,
	b) a) b)	102	001100 and find am of 8257 DM	d the status of d	ifferent flags.	orks.	10
102 Q8	a) b) c)	Draw the block diagram Write short notes of Memory Interfacing	001100 and find am of 8257 DM n any TWO:	d the status of d	ifferent flags. d write how it w	102 Orks.	(5) 5 x 2)
102 Q8	a) b) c)	Write short notes o Memory Interfacing USART Instruction cycle	001100 and find am of 8257 DM n any TWO:	d the status of d	ifferent flags. d write how it w	102 Orks.	(5) 5 x 2)
102 Q8 102	a) b) c)	Write short notes o Memory Interfacing USART Instruction cycle Encoder	001100 and find am of 8257 DM n any TWO:	d the status of d	ifferent flags. d write how it w	102 Forks.	(5) 5 x 2)