	Class	s: 12tl	ⁿ S	ubject	: Computer	Science II	Succose Kou	School & Colleges
	Tin	ne: 2.0	00 hrs		March 20	015	Marks : 5	50
Q.1	(A)		ct the correct		ve and rewrite th	-		(4)
		a)		instruc	tion would not af	fect zero flag		
			(i) XRAA (iii) CMPA		(ii) SUB A (iv) MVI A,	00H		
		b)		0286 MP	U is of size			
			(i) 8 bit		(ii) 16 bit			
			(iii) 32 bit		(iv) 64 bit			
		c)		is use	ed t store 8 bit op	code is 8085.		
			(i) IR		(ii) PC			
			(iii) SP		(iv) Accumu	lator		
		d)			tend cable length		-	
			(i) MODEM	ĺ	(ii) REPEAT			
			(iii) HUB		(iv) ROUTE	R		
	(B)	(B) Answer any two of the following :						(6)
		a)	Draw block diagram of generic microprocessor					
		b)	State any six	features	of 8051 microcor	ntroller		
		c)	What is HUI	B ? Expla	in all the types of	HUB.		
Q. 2	(A)	Ans	wer any two o	vo of the following :				
		a) Explain multiplexed Address and Data Bus of 8085 MPU.						
		b)	Explain Star	and Bus	network topology	7		
		c)	State any six	arithmet	ical and logical in	structions of 808	35 MPU.	
	(B)	Answer any one of the following :						(4)
		a) What are the Hardware interrupts ? Explain vectored and Non-vectored MPU.				d Non-vectored interrupts	of 8085	
		b)	-	-	g instructions of 8	085 MPU :		
			i) MOV B.	M.		i) ADC C		
			iii) SPHL		i	v) XCHC		
Q. 3	(A) Answer any two of the following :							(6)
		a)	What is a sir	ngle chip	computer ? State	its advantages.		
		b)	State any thr	ee feature	es of Pentium pro	cessor.		
		c)	Explain Ethe	ernet prot	ocol used in netw	ork.		
	(B)	Ans	Answer any one of the following :					
	. /	a)	-		OP instructions of	8085		(4)
		b)	-		s of 8085 giving e			
		,	- •	U		-		

Q. 4	(A)	Answer any two of the following :						
		a)	Explain function of the following pins of 8085:					
		b)	State any six applications of microcontrollers					
		c)	Compare twisted pair cable and coaxial cable.					
	(B)	Ans	(4)					
		a)	Explain the following ;					
			i) T-States ii) Machine G	Cycle				
			iii) Instruction cycle iv) FETCH C					
		b)	Give advantages of Fiber Optic cable over an electr	ical cable				
Q. 5	(A)	Answer any two of the following :						
		a)	a) Write ALP is multiply number stored at 8085H by 09H and store result at 8086 H and 8087H, with lower byte at 8086H.					
		b)	b) Write ALP to find 2's complement of a 16 bit number stored in DE pair store result in HL pair.					
		c)	Locate smallest number in a block from 2050H to 2060 H and store it in memory location 2061H.					
			OR					
		a)	Write ALP to store data BCH in 20 continuous men from 8081H.	nory locations starting				
		b)	Write ALP to divide number at 6068H by a non-zero number at 6067 H, Store quotient at 6069H and reminder at 606AH.					
		c)	Writ ALP to clear register B, if number at memory location 20F9H is palindrome: otherwise store FFH in register B.					