	PA	PER - II (I)-9)	
fime : 3	Hours	4 Pages	Max. N	Marks : 50
(5) Select o	Comments are	pe of calculator is must in Assemble and rewrite the fo	y Language P	rograins.
ad	dress of next of	executable instructi	ion is	
(i)				
9.00	i) Stack Point			
	ii) Program St v) Instruction			
		instruction of 80	85 shall	the stack
	ointer.		The same of the same of	
		by two bytes		
		by two bytes		
(i	ii) Decionein			
	iii) Un affect			

(iv) 8

		(d)	The	mobile phone uses	transmission technology.	1
			(i)	Radio		
			(ii)	Microwave		
			(iii)	Infrared		
			(iv)	Satellite		
	(B)	Sol	ve an	y two of the following :		
		(n)	Exp	olain function of following	pins of 8085 Microprocessor:	3
			(i)	WR		
			(ii)	HLDA		
			(iii)	INTR		
		(b)	Enli	ist three types of Hubs. W	rite its functions in one sentence.	3
		(c)	Wh	at is Microcontroller 7 Wr	ite any two of its advantages over	
			Mic	roprocessor		3
2.	(A)	Ans		my two of the following:		
		(a)			ch accumulator perform other than	
					ister in 8085 Microprocessor.	3
		(p)	Con	sidering following points of	explain the given instruction.	
			Inst	ruction : LHLD 16 bit add	fress	
			(i)	Group of Instruction		
			(ii)	Addressing Mode		
			(iii)	Number of Bytes Requir	ed	
			(iv)	Flags Affected		
			(v)	Explain with an example		3
		(c)			of 8052 over 8051 Microcontroller.	3
	(B)			ny one of the following:		
		(a)	100000	lain any four characterstics		4
		(p)			and register B contain data 02H.	
					gs and content of accumulator after	
				ution of ADD B instruction	in .	4
	(A)		333720 C	two of the following:		
		(a)	Write		egister of 8085 Microprocessor :	3
			(i)	Program Counter		
			(ii)	Stack Pointer		
			(iii)	Temporary Register		

		(b) Give any two examples of following addressing modes	
		Register Indirect Addressing Mode	
		(ii) Direct Addressing Mode	
		(iii) Immediate Addressing Mode	
			3
	(B)	by Fromest Expensi concept of ICF/II proment	3
	(0)	and one of the bondaring	
		(a) Explain STAR and RING Topologies with suitable diagram.	4
		(b) Explain with diagram memory register map of 8051 Microcontroller.	4
4,	(A)	The same of the sa	
		(a) Distinguish between Maskable and Normaskable interrupts	
		any three points.	3
		(b) The flag register of 8085 microprocessor contain data 55H.	
		Interpret its meaning.	3
		(c) Distinguish between STP and UTP cables. (Any three points)	1
	(B)		
		(a) Accumulator contain data ABH and register B contain data 55H. What	
		will be the contents of accumulator after execution of each	
		following instruction independently ?	
		(i) XRA D	
		(ii) CMP B	
		(iii) ADD B	
		(iv) CMA	4
		(b) Explain advantages of following features of the Pentinum	
		Processor :	
		(i) Dual pipelining	
		(ii) On-chip caches	
		(iii) Branch prediction	
		(iv) 64 bit data bus	4
5.		wer any two of the following :	
	(a)	Write an Assembly Language Program to double the contents of each memory location in the memory block stored from memory location 1220H	
		to 1230H. Store the result at same memory location.	5
	(b)	Write an Assembly Language Program to check whether the given 16 bit number stored in consecutive memory location beginning with lower byte 1200H is palindrome or not.	
		It the number is palindrome then store FFH at 1210H memory location	
		otherwise store OOH at same memory location.	5
) PT	0
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Study the given program and answer the questions given below : (c)

Label	Mnemonics/Operand		
	MVI B	H AO	
-	LXI H, 2000 H		
	MVI A, 01H		
loop	MOV	M.A.	
and the same	INX	Н	
	DCR	В	
	JZ	stop	
	ADI	02H	
	JMP	loop	
stop	HLT		

- Write the purpose of the program. (1)
- Write comments for each instructions used in the program. (ii)
- (iii) Write the result along with their corresponding memory locations. OR

Answer any two of the following : 5.

- Write an Assembly Language Program for 8 bit number stored in memory location BABAH. Separate the two nibbles and multiply it. Store the result in memory location DADAH.
- Write an Assembly Language Program to find the sum of series. Length (b) of series is stored in memory location 1500H and series begins from memory location 1501H.
 - Store the 16 bit sum from memory location 1600H begining with lower order byte.
- Study the given program and answer the questions given below : (c)

STC

CMC

LXI B, 1234H

MOV A, B

RAR

MOV H, A

MOV A. C

RAR

MOV L. A

HIT

- Write the purpose of the program. (i)
- Write contents of various registers used. (ii)
- Write comments of various instructions used in the program,