210		210	210	210		210	210	2
Registration No :								
Total Number of Pages: 02 B.Tech.								
210		210	2BRAN	Regular Exan essor and Its NCH: AEIE, E Time: 3 Hou Max Marks: 1	s Interfa IIE, IEE rs		211	PEI5I102
Q.CODE: B391								
Answer Question No.1 and 2 which are compulsory and any four from the rest. The figures in the right hand margin indicate marks.								
Q1			llowing question		J			(2 x 10)
210	a)	210	apacity of 8085 m	- 210		210	210	2
	b)	64 K (ii) 1MB (iii) 16 MB (iv) 640B If a microprocessor is capable of addressing 1MB of memory, then its address						
	c)	bus width is (i) 16 bits (ii) 20 bits (iii) 8 bits (iv) None of these Which kind of stack memory is used in 8085? (i) FIFO (ii) FILO (iii) LIFO (iv) LILO						
	 d) Which interrupt has Highest Priority in 8085 microprocessor? (i) INTR (ii) RST 7.5 (iii) TRAP (iv) RST 6.5 e) In 8085, which of the following modifies the program counter? 							
210) 2'
	f)	Only PCHL instruction Only ADD instructions Only JMP and CALL instructions All instructions Which Register Pair of 8085 is not accessible by user?						
	g)	BC (ii) DE (iii) WZ (iv) HL) Whenever carry is generated from lower nibble to higher nibble which flag is						
240	9)	affected?						
210	h)	(i) Sign Flag (ii) Parity Flag (iii) Carry Flag(iv) None of these ALE stand for:(i) Address latch enable (ii) Address line enable (iii) Address lower enable (iv) Address last enable						
	i)	When RESET IN pin is held high, the Program Counter in 8085 is initialized to(i)FFFFH (ii)00FFH (iii) FF00H (iv) 0000H.						
	j)	For an 8085 microprocessor having a clock frequency of 5 MHz, the time taken to execute an instruction having 20 T states will be (i) 4µs (ii) 0.4µs (iii) 4 ns (iv) 10ms						
Q2 ²¹⁰			llowing question			210	210	(2 x 10)
	a) b)		e value held in th diagram how th					
	c)	What is the use of the 8085 microprocessor pins HLDA and \overline{INTA} ?						
210	 d) Which instructions are used for Stack operation in8085? e) For 8085 microprocessor it is given that SP=FFFF, DE=8634H, BC=6290H, A= 46H, HL=4500H, PC=8090H.What happens after you execute the instructions: XTHL and XCHG 							
	f)	How many char	nnels are availab 57 DMAC can be					S
	g)	What are the functions of the following pins of 8051 microcontroller: \overline{EA} and \overline{PSEN} ?						
	h)	From the follow and its mode of	ving code of 825 foperation.	53 Timer deter	mine wh	nich coun	ter is selecte	d
210		3000 MVI A, 1 3002 OUT 83 3004 MVI A, 1 3006 OUT 82	210	210		210	21() 2:

Name one 8 bit and one 16 bit register of 8051 Microcontroller.

Which instruction of 8085 allows you know if there are any pending interrupts?

i)

j)