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Reg. No.:		
Name :		
	ech. Degree Examination, (2013 Scheme) PROCESSORS AND INTER	
Time: 3 Hours		Max. Marks: 100
	PART-A	
Answer all questions. Each	question carries 4 marks.	
What is meant by Address its advantages?	s-Data Multiplexing in 8085 Micro	processor? What are
2. Distinguish between I/O r	napped I/O and memory mapped	I/O.
3. Distinguish between AAA	and DAA instructions in 8086 mi	croprocessor.
4. How the ports of 8255 P 9 AH?	PI are configured if the control w	
5. What is meant by N-key	roll over in 8279 ?	ST CSI INSTITUTE OF TECT
	PART-B	TRIVANDRUM-11
	Module – 1	Muse MANNAMMOOUR
6. Explain the internal archit	tecture of 8085 microprocessor.	TRIVANDRUM-11

7. Explain the data transfer instructions in 8085 microprocessor.

Module - 2

8. a) Explain the different addressing modes of 8085 microprocessor.

10

10

b) Draw the timing diagram of the complete execution of the instruction MVI A, 07H.

OR



	9.	a) Explain the different interrupts in 8085 microprocessor.	12	
		b) Describe how 1 MB memory can be addressed in 8086 microprocessor using 20 bit address lines. How 16 bit data in fetches from memory.	8	
		Module – 3	30	
0.50	10.	a) Explain the string instructions in 8086 microprocessor.	15	
		b) What is an assembler directive? How does it differ from a normal assembly language instruction?	5	
		OR		
	11.	1. Write an 8086 ALP to separate the prime numbers and composite numbers in an array of n numbers and form separate lists for each. Assume that n is available in location 1000 H and the array is stored from location 1001 H onwards. The list of prime numbers is to be stored from location 2000H onwards and the list of		
		composite numbers is to be stored from location 3000H onwards.	20	
		Module – 4		
9	12.	Explain the operation of 8255 PPI in detail.	20	
		OR **		
C.	13.	Explain the operation of 8259A Interrupt Controller giving the structural block diagram.	20	