Total Pages: 2

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## BT-5/D07

## MICROPROCESSOR AND INTERFACING Paper – ECE-311E, (ii)

		Paper - ECE-311E, (II)	
Time	e : T	Three Hours] [Maximum Marks : 10	0
Note		attempt five questions in all, selecting at least one question each Unit.	Γ
		UNIT-I	
1.	(a)	Explain the following pins of 8086 Microprocessor	
		BHE /S7, RQ/GT, MN/MX, RD, TEST	(
	(b)		(
2.	(a)	What are the functions of IC8284 in the 808 systems?	6 5
	(b)	Draw the functional block diagram of 8086 Micro processor.	5
	(c)		(
3	(a)	Explain the following instructions:	0
0	(b)	Explain the following Assembler directives : 1	
4.	(a)	Write a program to compute factorial for a number N between 1 and 8.	0
	(b)	What are addressing modes available in Inte	

10

8086 processor? Give example.

## UNIT-II

		ONII-III
5.	(a)	Interface two 4 K × 8 EPROMS and two 4K × 8 RAM chips with 8086 Microprocessor and draw the suitable circuit showing their interfacing.
	(b)	Describe the Memory mapped I/O and Direct I/O. Give the main advantage and disadvantage of each. 5
6.	(a)	Draw a timming diagram for RD/WR cycle in MN mode by introducing a wait state for 5ms in the processor cycle.
	(b)	Explain the concept of Segmented memory. What are its advantages?
		UNIT-IV
7.	(b)	Interface an 8255 with 8086 at 80H as an I/O address of Port A. Interface five 7 segment displays with the 8255. Write an ALP to display 1, 2, 3, 4 and S over the 5 displays continuously as per their positions starting with 1 at least significant position.  10 What is intel 8259 chip? Discuss its use and operation in a 8086 Microprocessor based system.
ś.	(a) (b)	Define an Interrupt. Describe the interrupt response of an 8086 processor.  10  Draw the block diagram of 8251 and explain the
	-	function of each block.

Solved question paper, guess paper, 10 year, 5 year question bank, paper patterns