	На	all Ticket Number :	
	Co	R-15	
	CO	III B.Tech. I Semester Supplementary Examinations June 2022	
	Microprocessors and Interfacing		
	٨٨	(Computer Science and Engineering) ax. Marks: 70 Time: 3 Hours	
Answer any five full questions by choosing one question from each unit ($5x14 = 70$ Marks) *********			
		UNIT-I	
1.	a)	Define addressing mode? Explain the addressing modes of 8086 with suitable examples.	
	b)	Explain at least 7 assembler directives of 8086 with suitable example.	
2.		OR Illustrate the pin configuration of 8086.	
۷.		illustrate the piri corniguration of 6066.	
		UNIT-II	
3.		Explain the architecture of 8255 and also different modes of operation.	
	,	OR	
4.	a)	Construct an interface of two 4K X 8 EPROMS and two 4K X 8 RAM chips with 8086. Select suitable memory map.	
	b)	Design an interface between 8086 CPU and two chips of 16K X 8 EPROM and two chips of 32K X 8 RAM. Select the starting of EPROM suitable. The RAM address must start at 00000H.	
		UNIT-III	
5.		Sketch and explain how to Interface 8257 with 8086	
		OR	
6.	a)	List the differences between Programmed I/O and Interrupt driven I/O.	
	b)	Discuss the Interrupt structure of 8086 microprocessor.	
		UNIT-IV	
7.		Summarize each pin function of RS232	
		OR	
8.		Explain different modes of operation of 8253/54.	
		UNIT-V	
9.		What do you mean by paging? What are its advantage and disadvantage?	
		OR	
10.		Explain real and protected mode of 80386	