•			QP Cod	le : 5413
- 24			(3 Hours) Total Ma	rks: 80
	Note:	Q. 1 is	compulsory and answer any 3 out of remaining questions.	
	Q1.	A)	Explain the function of following pins of microprocessor 8085	5. (5 Marks)
			a) SOD/SID b) ALE c) HOLD	
		B)	What are features of 80386 microprocessor?	(5 Marks)
		C)	Explain interrupt pin of 8085 microprocessor.	(5 Marks)
		D)	Differentiate between memory mapped I/O and I/O mapped I/	O (5 Marks)
	Q 2	a)	Explain different addressing modes of 8086 microprocessors.	(10 Marks)
		b)	What is 8087 math coprocessor? Explain method of its interface microprocessor.	cing with 8086 (10 Marks)
	Q 3)	a)	Describe the importance of DMA controller. Explain method of DMA controller with 8086 microprocessor	(10 Marks)
		b)	What is data acquisition system? Explain 8086 based data acq	uisition system. (10 Marks)
	Q4.		Design 8086 microprocessor based system using minimum mo specifications.	
		I)	8086 microprocessor working at 10 MHz	
Ŧ		II) İII <u>)</u>	64 kb EPROM using 16k devices 5	
			Clearly show memory map with address range. Draw a neat sc	hematic (20 Marks)
	Q5.a)		Write a program for 8085 microprocessor for arranging given a order and store the results in memory location from 08000H or	
		b)	Explain interrupt Structure of 8086.	(10 Marks)
	Q 6	a)	Explain the architecture of Pentium microprocessor.	(10 Marks)
		b)	Explain the function of analog to digital converter 0809 and de	escribe its interfacing
			method with 8086 microprocessor.	(10 Marks)
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