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SE Sem - IT (CBSGS) ETRX - up and peopherals

Microprocessor and Peripherals

8/12/16

Q.P. Code: 548002

		(3 Hours) [Total Marks:	80
N.I	3. :	 Question No.1 is compulsory Attempt any three questions out of remaining five questions. 	
		(3) Assume any suitable data wherever required and justify the same.	
Q1	. At	tempt the following.	20
		a) Compare architectural features of 8085 and 8086.	40
		y all a series of system. Give advantages.	
		c) Explain memory R/W cycle of any processor.d) What is interrupt? Give its application	
Q2	a)	Describe architecture of 8086.	10
	b)	Evaluin 9227 DMAC - 1:	10 10
		. The state of the	10
Q3	a)	Explain various addressing modes of 8086 with examples.	10
	b)	What is 9255 DDI2 D	10
Q4	a)	Write an 8086 assembly language program for ordering (ascending or	
	b)	descending) a sequence of 5 numbers.	10
	U)	What is need of bus arbitration? Explain 8289.	10
Q5	me	erface 64 K bytes of program memory (ROM) and 12 K bytes of data mory (RAM), 8bit 1/0 ports with 8086. Draw detailed circuit diagram,	
	1710	mory map, 1/0 map. (Assume 8K capacity devices)	20
Q6	Wr	ite short notes on.	20
		a) Loosely coupled system.	
		b) Segmentation in 8086: usages and challenges.	
		c) Nested interrupts using 8259PIC	

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