	ANNA UNIVERSITY COIMBATORE			What is the use of port 0?	
				Which location is referred to as top of the stack?	
	B.E. / B.TECH. DEGREE EXAMINATIONS : DECEMBER 2009			PART – B	
	REGULATIONS - 2007			(5 x 12 ≈ 60 M)	ARKS
	FIFTH SEMESTER - ELECTRICAL & ELECTRONICS ENGINEERING			ANSWER ANY FIVE QUESTIONS	
	070280045 - MICROPROCESSORS AND MICROCONTROLLERS	21.		Draw the functional block diagram of 8085 and explain.	
TIME	: 3 Hours Max.Marks : 100				
	PART – A	22.	a)	Write short notes on different types of instructions based on the number of	of 6
	(20 x 2 = 40 MARKS) ANSWER ALL QUESTIONS			bytes with example.	
1.	Name the operations that microprocessor can perform.		b)	Explain the addressing modes of 8085.	6
2.	Calculate the address lines required for an 8K - byte memory chip.			말 그 같은 것이 말 없다. 그 말 같은 것 같은	
3.	Define instruction cycle and machine cycle.	23.		Explain the block diagram of programmable interrupt controller 8259 and explain how the interrupt operation is done.	d
4.	Differentiate microprocessor and microcontroller.				
5.	What do you mean by bit, byte, nibble and word?	24.	a)	Describe briefly how 8253 is interfaced with 8085 in memory mapped I/O with a neat diagram.	N R
6.	Mention the advantage of assembly language compared to high level				
	language.				
7.	What is the use of BSR mode in 8255?		b)	Write the advantage of segmentation in 8086.	4
8.	What does the mode word format in 8251 mean?				
9.	What are the two modes that are supported by 8086?	25.	a)	Explain the control flags of 8086 in detail.	6
10.	What is a code segment?		b)	Write short notes on interrupts of 8086.	6
11.	Write the function of the following assembler directives – PAGE and ALIGN.		2)		0
12.	Differentiate linker and a debugger.	26.	a)	Briefly explain the addressing modes of 8051 with an example.	8
13.	Mention some of the common features included in modern 8051 based	t		What happens when an interrupt occurs in 8051?.	4
	microcontroller.		b)		
14.	Justify with an example – 8051 is an accumulator based architecture.	27	a)	Discuss the modes of operation of serial port communication of 8051.	8
15.	Which are called as special function registers?		4)		0
16.	How many priority levels are present in 8051 interrupt structure?		b)	Write the procedure to generate square wave using DAC interface.	4
17.	Why 8051 is called as a Boolean processor?				
18.	Name any two applications of microcontroller.	28.		Explain in detail – interfacing stepper motor.	
				요즘 그 옷 다니, 그 집안 것 같은 것 수 없는 것 같아? 같아? 같아? 것 같아? 것 같아? 그 것 같아? 그 것 같아?	