May 2006

Microprocessor & Assembly Language Programming CS-208

			Sem 4th, 205	(6)		
					Time. 3Hrs.	
M.M:	60	is compulsory. Attempt any four	questions from S	ection B and a	my two questions from	
Note: - Section	Section A	is computation.	V 184: 55-55 DE DOTTO			
	10	Sec	tion A		$(2\times 10=20)$	
01	(a)	Distinguish between PRO	Mand ROM.			
Q1.	(b)	TITL - + - To Walatile and Non-	. Volatile Mellio	ry?	j	
	(c)	What are volunte and I vol. Why the Instruction OUT 1234H, AL fails to compile? Distinguish between synchronous and Asynchronous buses.				
	(d)	Dietinguish between synch	ironous and As	ynchionous	ouses.	
	(e)	How the internal RAM of	8051 is organize	cu:		
	(f)	Write about the move instruction of 8083 Discuss how pipelining improve performance. Discuss the interrupt handling of 68000. Discuss the interrupt handling of 68000-assembly instruction involving an				
	(g)					
	(h)					
	(i)					
	(j)	What is the basic differen	ce between oral	ich and was		
			Section B		$(4 \times 5 = 20)$	
Q2.	Exp	Explain the following instructions:				
	a)	SHLD 2040h		270		
		JMP				
	b)	DAA				
03	Port Accord	cuss various addressing mod	es of 8085. Exp	lain with exa	amples.	
Q3	. Dis	Write an assembly language program to calculate the 2's complement of a 16 bit no.				
Q4	. Wr	ite an assembly language pro	gram to calcula	te the 2's cor	npiementora roottio.	
1172	-	1 prp attribute is sometimes necessary in 8086.				
Q5						
Q	5. Di	fferentiate between micropro	cessor and mic	locolid olivi		
			Section C		$(2\times10=20)$	
0	7 W	hat do you understand by D	MA? Draw and	l explain the	block diagram of 8257	
Q	7. W	150 may 10 may 62 may 6				

Describe the traffic light system, stepper motor interface.

Q8.

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(a) What do you mean by SIMULATION and EMULATION? In what way do these Q9. help in the development of a microprocessor-based system? (b) Explain Microprocessor Development System.