Seat	
No.	P

[5352]-569

		S.E. (Computer) (II Sem.) EXAMINATION, 2016			
		MICROPROCESSOR			
(2015 COURSE)					
Time	:	Two Hours Maximum Marks : 50	C		
N.B.	:	(i) Answer Q. No. 1 or Q. No. 2, Q. No. 3 or Q. No.	١.		
		4, Q. No. 5 or Q. No. 6, Q. No. 7 or Q. No. 8.			
		(ii) Neat diagram must be drawn whenever necessary.			
		(iii) Figures to the right indicate full marks.			
		(iv) Assume suitable data, if necessary.			
1.	(a)	Explain immediate and register addressing mode with a	า		
		example. [2]		
	(<i>b</i>)	Draw and explain the flag register of 80386. [4]		
	(<i>c</i>)	Draw and explain segment descriptor. [6]		
		Or			
2.	(a)	What is the use of Interrupt Flag? [2]		
	(<i>b</i>)	Explain paging machanism. [4]		
	(<i>c</i>)	Draw and explain the 80386 address translation machanism	1		
		considering PG bit in CR0 in set. [6]		
3.	(a)	What is CPL and RPL?]		
	(<i>b</i>)	Explain Interrupt no. 0 and 4.]		
	(<i>c</i>)	Explain the role of Task Register in multitasking and the	е		
		instructions used to modify and read TR. [6]		
		P.T.O).		

Or

4. (¿	a) List five aspects of protection in the 80386. [2]
(1	Write a short note on 'I/O permission Bit Map'. [3]
(e) Draw and explain TSS. [7]
5. (a	a) Write short note on Virtual 8086 Mode. [3]
(1	Explain software initializations required for protected mode.[4]
(e) Draw and explain structure of the TLB. [6]
	Or
6. (<i>a</i>	What are the contents of various registers of processor 80386
	after reset ? [3]
(1	Explain entering and leaving V86 mode [4]
(e) Draw and explain debug registers of the 80386. [6]
7. (2	a) Explain the following signals: [3]
	(i) W/R##
	(<i>ii</i>) D/C#
	(iii) M/IO#
(1	Explain any four 80387 constant instructions. [4]
(e) Draw read cycle with non-pipelined address timing. [6]
	Or
8. (2	a) Explain the following signals: [3]
	(i) INTR#
	(ii) NMI#
	(iii) RESET#
(1	Draw and explain 80387 register stack. [4]
(4	e) Explain any <i>six</i> 80387 data transfer instructions. [6]
	Explain any Six 80387 data transfer instructions.
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