No. of Printed Pages: 2

BICS-012

B.Tech. - VIEP - COMPUTER SCIENCE AND ENGINEERING (BTCSVI)

Term-End Examination

June, 2015

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BICS-012 : MICROPROCESSOR

Time : 3 hours				Maximum Marks : 70		
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Note: Attempt any seven questions. All questions carry equal marks.

1.	Draw expla	the internal architecture of 8086 and in it.	10				
2.		What are the various types of addressing modes ? Explain with examples.					
3.	-	ain any ten instructions from the instruction 8086.	10				
4.	(a)	What are the symbols in flow chart ? Give examples. Draw the flow chart for 'for' and 'while' loops.					
	(b)	Define procedure with a neat diagram Explain the near CALL and far CALL procedures in 8086.					
5.		t are the types of interrupts in 8086 ? ain the interrupts individually.	, 10				
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6.	(a) What are the timing applications ? Explain with a neat diagram.	5
	(b) Explain the process of using an interrupt to produce a real time clock of seconds, minutes and hours.	5
7.	What is DMA ? With a neat diagram, explain how a 8237 DMA controller operates in a microcomputer system.	10
8.	Draw the block diagram of INTEL 8272A floppy disk controller system. Write the five commands in it.	10
9.	(a) Explain how 8088 microprocessor accesses memory and ports, through diagram.	5
	(b) Compare the architecture of 8086 and 8088.	5
10.	Explain the steps for interrupt handling.	10

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