(3 H	ours) Total Marks: 80	
N.B.	: (1) Question No.1 is compulsory.	
	(2) Attempt any three questions from the remaining five questions.	
	(3) Make suitable assumptions wherever necessary but justify your assumption	ons.
1.	(a) Explain in brief memory mapped I/O.	05
	(b) What is meant by nano programming?	05
	(c) Write a note on interrupt execution.	05
	(d) What is associative memory?	05
2.	(a) Explain the different addressing modes of 8086 MP with examples.	10
	(b) Explain Flynn's classification in detail.	10
3.	(a) Explain microinstruction sequencing and execution.	10
	(b) Describe the elements of Cache memory design.	10
	(b) Beserved the elements of Saeke memory acting.	10
4		10
4.	(a) Draw and explain internal architecture of 8086 microprocessor.	10
	(b) Draw the flowchart of Booth's algorithm and perform -7 * 3.	10
5.	(a) Divide 13 by 4 using restoring division algorithm.	10
	(b) Explain DMA based data transfer techniques for I/O devices.	10
	(b) Explain DWA based data transfer teeninques for 1/0 devices.	10
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6.	Write a short note on (Any Two)	20
	(1) Assembler directives.	
	(2) Programmed I/O	
	(3) Segmentation concept of 8086 MP	

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