

## www.FirstRanker.com

## GUJARAT TECHNOLOGICAL UNIVERSITY

Subject Code:160805	Date: 08/11/2017	
Subject Name: Advance Microprocessor		
Time: 02.30 PM TO 05.00 PM	Total Marks: 70	
Instructions:		
1. Attempt all questions.		
<ol><li>Make suitable assumptions wherever necessary.</li></ol>		
<ol><li>Figures to the right indicate full marks.</li></ol>		

Ų.I	(b)	Explain interfacing of 8086 microprocessor with co-processor.	
Q.2	(a) (b)	Describe different addressing modes of 8086 Microprocessor with example. Explain variable, suffix & operators in brief.	07 07
		OR	
	(b)	Explain concept of pipelining and its advantages of 8086.	07
Q.3	(a)	Explain the following Assembler directives of 8086 Microprocessor. EQU, DW, ENDP, EXTRN, ENDS, ASSUME, EVEN	07
	(b)	What is MACRO? How it differs from Procedure? Explain use of macro with one simple program.	07
		OR	
Q.3	(a)	Describe the following instruction of 8086 Microprocessor.	07
		LAHF,XLAT,AAA,ROL,DAA,BTC,IN	
	(b)	What is the Multiprocessing System? Write Applications of Multiprocessing system.	07
Q.4	(a)	Write a program to add a profit factor to each element in the cost array & put the result in a prices array, where profit factor is 15h & cost =10h, 12h, 23h, 40h.	07
	(b)	Describe Memory mapped I/O and Direct I/O. Give the main advantage and disadvantage of each.	07
		OR	
Q.4	(a)	numbers.	07
	(b)	Explain the Rules & Advantages for memory segmentation.	07
Q.5	(a)	Explain internal interrupt of 8086.	07
	(b)	Explain typical configuration of 8086 Microprocessor Minimum mode,	07
	-	OR	
Q.5	(a)	Explain BIOS routines.	07
	(b)	Write down the difference between 8085 & 8086.	07
	()		

\*\*\*\*\*

