B.Tech. 5th Semester (F) Scheme (CS & IT) Examination, December-2018

(2)	24230

	M	ICROPROCESSING & INTERFACING	
		Paper-EE-309-F	
Tim	e allo	wed: 3 hours] [Maximum marks	s : 100
Voi	te : Q	Question No. 1 is compulsory. Attempt one qu	estion
	fron	n each section.	
l.	(a)	What is BSR Mode? Discuss.	05
	(b)	What do you mean by memory segmentation	n? 05
	(c)	How the instructions NOP & HLT work? Expla	in. 05
	(d)	Describe briefly the DMA process.	05
		SECTION-A	
2.	(a)	Explain the working of 8085 microprocesso the help of block diagram and also explain the function of each block.	
	(b)	Write an assembly level program for multiplic of two 8 bit numbers.	cation 10
3.	(a)	How many addressing modes are there in a Explain each with the help of suitable examp	
	(b)	What do you mean by interrupts? How many of interrupts are there in 8085? Explain each	* •
		SECTION-B	
١.	(a)	Explain the block diagram and pin diagram of microprocessor in detail.	f 8086 14
	(b)	What is pipelining? How it works? Explain.	06

5.	(a)	How many addressing modes are there in microprocessor? Explain each in detail.	8086 10
	(b)	What do you mean by Instruction format? many types of instructions format are being	
		in 8086 microprocessor? Explain.	10
		SECTION-C	
6.	Exp	lain the following:	
	(a)	Data Transfer Instructions	06
	(b)	Shift and Rotate Instructions	07
	(c)	Branch Instructions	07
7.	(a)	What do you mean by directives? Describedifferent types of directives used in 8086 n	
	4.	processor.	
	(b)	Differentiate between the looping and br instructions in detail with suitable examples	
		SECTION-D	
8.	Exp	lain the following in detail:	
-	(a)	Programmable Interval Time	10
	(b)	DMA Controller	10
9.		at do you mean by PPI? Explain the following help of:	with
	(a)	Block Diagram and	10
	(b)	Pin Diagram	10