Total No. of Questions : 81			[Total No. of Printed Pages	s : 2
			Roll No	
		EX-6003	3 (CBGS)	
		B.E. VI	Semester	
		Examinatio	n, May 2019	
	Ch	oice Based Grad	ling System (CBGS))
		Microprocessor an	d Microcontrollers	
		•	ree Hours	
			Maximum Marks:	70
Vo	te: i			
	j	ii) All questions carry e	qual marks.	
ι.	a)	Explain the architectur neat block diagram.	e of 8086 microprocessor wi	th a
	b)	Explain the 8086 flag re	egister with each flag bit.	7
2.	a)	Draw the timing diagraminimum mode 8086.	am for read and write cycle	in 7
	b)	Write about PUSH andiagrams.	nd POP instructions with r	neat
3.	a)	What is 8255 and expla	nin the architecture of 8255?	7
	b)	Explain about I/O mod	es of operation in 8255.	7
1.	a)	Explain about program	mable interval timer 8254.	7
	b)		ned I/O and I/O mapped I/O and 8255 to 8086 using mem pped I/O.	
5.	a)	Draw the pin diagram of the function of each pir	8051 microcontroller and exp	lair 9
	h)	Explain the I/O ports of	f 8051	5

6.	a)	Write short notes on instruction set of 8051.	7	
	b)	Explain about the accessing internal and external		
		memories and different modes of operation in 8051.	7	
7.	a)	Explain the operation of stepper motor interfacing t	О	
		8051. http://www.rgpvonline.com	7	
	b)	What is RS-232 and explain the 8051 connections		
		RS-232.	7	
8.	a)	Draw the functional block diagram of 8096 and explain	in	
		-	7	
	b)	Write about the addressing mode in 8096.	7	