

Premier University
Department of Computer Science & Engineering
5th Semester Final Examination, spring 2020

Course Code: EEE 371 (Special Retake)**Course Title: Microprocessors and Microcontrollers****Time: 2 Hours****Full Marks: 35**

Q-1	a.	Write the differences between 80186 and 8086 microprocessor.	04
	b.	Draw the block diagram of computer system showing bus structure.	03
Q-2	a.	Define all segment registers.	03
	b.	MOV AL, 10 H MOV BL, 02 H MOV CL, EF H SAR BL, 02 ADD BL, CL SHR AL, 02 RCL CL, 02 Find the updated registers values.	04
Q-3	a.	Describe the interfacing of programmable DMA controller to a CPU, showing the proper diagram.	07
Q-4	a.	Define One-pass and Two-pass assembler.	02
	b.	Describe the RAM address decoding, showing proper block diagram.	05
Q-5	a.	Write the differences between Computer and Microcontroller.	03
	b.	Draw the details block diagram of a microcontroller.	04