Name:		F Namey	e part with relationship \$10-600 was not favorise that the		
	ANT				
Enrolment No:					
	UNIVERSITY OF PET			S	
Comman		Examination, Dec			
Course	•		Semester: IV Time 03 hrs.		
Progra	e Code: ECEG2034		Max. Marks	100	
Course	Code: ECEG2034		Max. Mark	S: 100	
Instruc	ctions: Answer all the questions.				
	Diagrams must be neat and clean.				
		SECTION A			
		SECTION A			
Each C	Question will carry 5 Marks				
-	ction: Complete the statement / Select t	he correct answei	r(s)/write a few wor	ds	
S. No	-				CO
Q 1	What are the addressing modes of 8085	? Give examples			
	-				CO1
Q 2	Explain the operation of 80286 in brief det	ailing the difference	e with 8086		
					CO1
Q 3	Explain the pipeline architecture of 808	5 .			CO2
•	1 11				
Q 4	What are the addressing modes of 8086	? Give an example	of each		CO1
Q5	Write a program in 8086 to add two six		with carry. Assume m	nemory	CO ₃
0.1	locations according to your convenience			2.22.42.51	~~~
Q6	How do you identify the port addresse	s of the control re	egister and counters	of 8254?Give	CO ₃
	example				
				I	
		SECTION B			
Each q	uestion will carry 10 marks				
	ction: Write short / brief notes				
Q 1	What are the functions and applications	of octal bidirection	onal buffer 74 ls 244	? Assume that	CO4
	the accumulator contains data byte 82 h				
	4F h. List the steps in decoding and exe	cuting the instructi	ion		
0.4					
Q 2	Explain the operation of progra	mmable interrupt	controller		CO2

Q 3	Write an ALP to transfer entire block of data to new memory locations staring at	CO4	
	2270. sixteen bytes of data are stored in memory locations at 2250h to 225F h		
Q 4	Write a program to count from 0-20h with a delay of 100ms between each count. After the count 20h, the counter should reset itself and repeat the sequence		
Q 5	Explain with the help of block diagram the architecture of an ARM 7 processor	CO4	
Each (SECTION-C Question carries 20 Marks.		
Instru	ection: Write long answer.		
O 4	0		
Q 1	Consider a memory mapped I/O scheme for 8255. A15 of the address bus is connected to the chip select pin of 8255. A0 and A1 of 8085 is connected to A0 and A1 of 8255.identify the port addresses. Identify the mode 0 control word to configure port A and port Cupper as output ports and port B and port Clower as input portds. Write a program to read the DIP switches connected to port B and port Clower and display the reading from port B to port A and portClower to port Cupper.	CO4	
