Paper Code: ETEE-310

Subject: Microprocessors & Microcontrollers

END TERM EXAMINATION

SIXTH SEMESTER [B.TECH] JULY 2023

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Note	: Atte	empt five questions in all including Q.No1 which is compulso Select one question from each unit.	ry.
Q1	Atten a) b) c) d) e)	mpt all questions: Write any five features of 8085. Explain MVI, LDA, XCHG, STA, LEA instructions. Explain flag register of 8086. What are the SFRs in 8051? What is instruction cycle & machine cycle?	25]
Q2	a) b)	UNIT-I Explain how interrupts are executed in 8085. Explain how data buses & address buses are de-multiplexed with the help of diagram?	[6] vith 5.5]
Q3	Draw	& explain architecture of 8085 in detail. [12	2.5]
Q4		UNIT-II ribe all pins of 8086 (maximum mode as well as minimum mother the help of diagram. [12]	
Q5	a) b)	Explain why it is always better to locate the word data at an exaddress in 8086? Describe how physical address is computed in 8086 with a suital example. [6]	[6]
		UNIT-III	
Q6	Expla	un block diagram of PPI (8255) in detail?	.5]
Q7	a) b)	Interface DAC with 8086 microprocessor with a clock frequency 5MHz. Explain block diagram of programmable interrupt controller detail. [6]	[6]
		UNIT-IV	
Q8	a) b)	Explain program status word of 8051.	[6] 5.5]
Q9	Expla	in programming model of 8051 in detail with proper diagram. [12	.5]
