	paper / Subject Code: 40724 / Microprocessors &	trollers
	TIEME P-3010 II	ECS" Dec 2022
	3 Hours 13 Hours	Marks: 80
122	Question number one is compulsory Solve any 3 out of remaining five Figures to the right indicates full marks	
	Ol Answer any four.	20
	a) Explain the significance of hold, reset and ready sign in Explain following instructions of 8051 microcontro i. MOVX ii. CJNE iii. JB iv. SWAP c) Explain the advantage of the pipelining feature in 8 d Draw and explain the PSW register of 8051 microce c) Compare Microprocessor and Microcontroller.	nals in 8086 processor. Her with an example
	Explain the Architecture of 8086 microprocessor.	10
	b) Explain operating modes of 8255 PPI.	10
	(2) a) Explain addressing modes of 8086	10
	b) Write a 8051 assembly language program to find the negative numbers in an array.	e number of positive and
	().4 a) Design an 8086 based Maximum Mode system wor following:	king at6 MHz having the
	32KB EPROM using 16KB chips,128KB RAM using	32KB chips.
	b) Write a 8086 assembly language program to check or not.	whether a string is Palindrome
	0.5 a) Explain the block diagram of 8259 Programmable	Interrupt Controller in detail. 10
	b) Explain various timer modes of 8051.	10
	0.6 Write short notes on (Any 3)	20
	 Memory segmentation Interfacing of a DC motor to microcontroller. Internal memory organization of 8051 Interfacing ADC to 8051 	

- 1.
- 2.
- 3.

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