[P.T.O.

2 1	Roll No. :	Total Printed Pages : 3
5E5042	P That is	5E5042
- 1	THE PART OF THE PA	(Mercy Back) Examination, November 2018 ering essors & Computer Architecture
	3 Hours	Maximum Marks: 80 Min. Passing Marks: 24
wi	estions carry equa ierever necessary. Al	tions, selecting one question from each unit. All marks. Schematic diagrams must be shown ny data you feel missing suitably be assumed and quantities used/calculated must be stated clearly.
Jse of Mentic	following supporting	ng material is permitted during examination. 05)
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1. <u>NI</u>	L	2. <u>NIL</u>
1. <u>NI</u>	L	•
1. <u>NI</u>		2. NIL UNIT - I gram of 8085 microprocessor and explain its various pins.
	Draw the pin diag	UNIT - I gram of 8085 microprocessor and explain its various pins. 8 type of interrupts available in 8085 microprocessor.
(a)	Draw the pin diag	UNIT - I gram of 8085 microprocessor and explain its various pins. 8 type of interrupts available in 8085 microprocessor.
(a)	Draw the pin diag	UNIT - I gram of 8085 microprocessor and explain its various pins. 8 type of interrupts available in 8085 microprocessor. OR ramming model of 8085 with suitable block diagram.
(a) (b)	Draw the pin diag Explain various to Explain the programmer.	UNIT - I gram of 8085 microprocessor and explain its various pins. 8 type of interrupts available in 8085 microprocessor.

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UNIT - II

Explain the following instructions of the 8085 microprocessor. 2 (a) LHLD (i) DAD (ii) (iii) PCHL (iv) DAA $2 \times 4 = 8$ Draw the timing diagram of STA and explain it. (b) OR Explain various addressing modes of 8085 using suitable examples. 2 (a) 8 Write a program to transfer one block of data into another block in same (b) order. 8 UNIT - III Explain 8259 chip with the help of block diagram. 3 (a) 8 Define working of A/D converter with the help of diagram. (b) 8 OR Explain programmable peripheral interface (8255) chip with the help of 3 (a) pin diagram. 8 Draw a block diagram of 8253 and explain it. (b) 8 P.T.O. 2

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UNIT - IV

4	(a)	Draw the block diagram of 8086 microprocessor and explain (i) Pipelining concept (ii) Segmented memory concept (iii) Extended register concept	the following
	(b)	Explain various addressing modes of 8086.	8
		OR	8
4	(a)	Draw the pin diagram of 8086. (i) M/IO (ii) QS1 and QSO (iii) READY (iv) Address/Status Bus	
	(b)		2×4=8 8
		UNIT 2 V	
5	(a)	Define PAL and PLA using suitable diagram.	
	(b)	Write short notes on: (i) SDRAM (ii) RDRAM	8
		OR	4×2=8
5	(i) (ii) (iii)	Primary and secondary memory Static and Dynamic memory Virtual and Physical memory Flash and cache memory	4×4=16
			4~4~10
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