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A	e No: 126AK JAWAHARLA: NEHRU TE B. Tech III Year I MICROPROCESS (Electrica	I Semester Exan	ninations, May - ERFACING DE	Y HYDERABA 2017	
Note	Part A is compulsory which of consists of 5 Units. Answer are 10 marks and may have a, b, c	carries 25 marks. ny one full questions. as sub questions.	Answer all que on from each uni	t. Each question	carries
1.a) b)	What are the different resisters What are memory addresses? What are instruction formats?			(25)	[2] [3] [2]
(a) (b) (c) (d) (e) (f) (g) (h) (i)	Define addressing mode. What are static memories? Define vector interrupt table. Give bit format used for sensir Mention 8251A USART pin d What is the importance of ju 8051?	escriptions. mp instructions i	n assembly lang		[2]
	What is the significance of pro	gram status word PART – B	(PSW) register o	of 8051 microcor	
2.a) b) 3.a)	Explain 8086 architecture with How do you generate delays in generating delays? How will y Draw and discuss a typical mir	software? What you synchronize o	one such delay wi	ns of this method	of occess?
4.a)	Explain Interrupt structure of 8 Write an ALP to convert a four	086. digit hexadecim	al number to dec	imal number.	[6+4]
Д(G _s .)	Write an ALP to find out transport of the 8086 string instruction characters looking for carriage of the string upto the carriage decimal) in AL.	ions to write a return (0DH). If a return in AL. If n	program which a carriage return to carriage return	scans a string is found, put the is found, put 5	of 80 length 0H (80 [10]
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Explain internal architecture of 8255. 6.a) Explain keyboard interfacing with 8086. b) [4+6] Explain stepper motor interfacing with 8086 generating clockwise and anticlockwise 7.a)Describe the functional diagram of 8259. 8.a) Explain serial communication standards. Explain the IEEE-488 with the schematic diagram. b) [5+5] 9.a) Describe serial data transfer schemes. Draw a diagram showing the list format used for asynchronous serial data. Label the b) start, stop and parity bits. Number the data bits to show the order of transmission. 10.a) Explain the I/O ports structure of 8051. Discuss the different SFRs of 8051. [4+6]11.a) Explain different addressing modes of 8051. b) Explain the each fit of TCON and PCON of 8051. ---00O00----