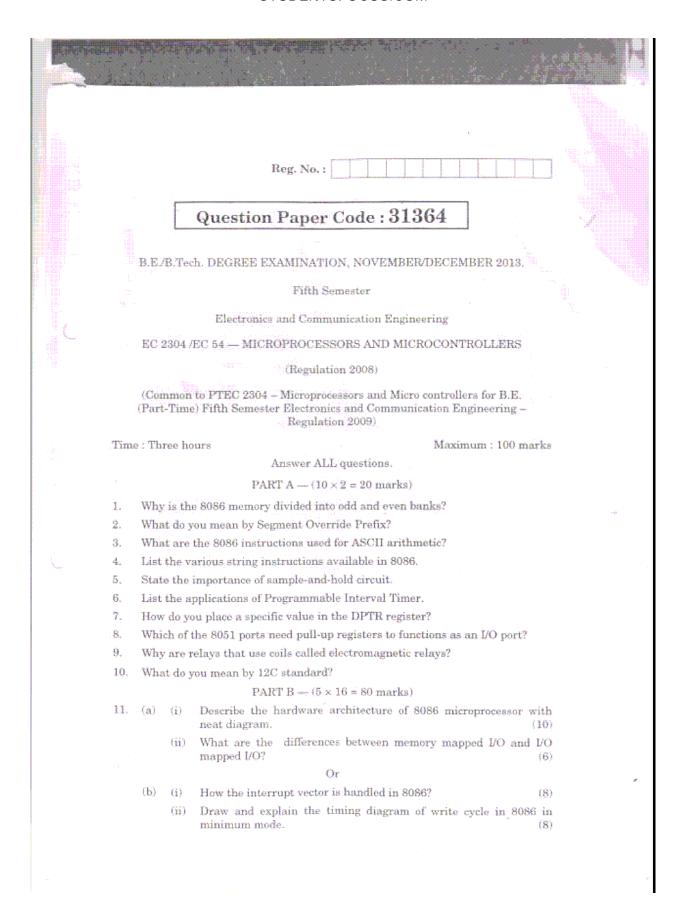
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				<b>C</b>
(a			What do you mean by assembler directives? Explain SEGMENT, TYPE, OFFSET with suitable examples. (8)	E
	1	(ii)	Write an 8086 ALP to check whether the given string is palindrome or not. (8)	<b>C</b>
			Or	
(	b)	(i)	Write an 8086 ALP to separate odd and even numbers in a given array. (6)	
		(ii)	Explain the data transfer group and logical group of 8086 instructions with necessary examples. (10)	C
l. (	(a)	With Inte	n neat block diagram explain the 8255 programmable Peripheral rface and its operating modes. (16)	
			Or	
i	(b)	(i)	Draw and explain the block diagram of A to D converter. (8)	F
•	\2J)	(ii)	How the CRT terminal is interfaced with a micro processor? (8)	
4.	(a)	(i)	Explain the architecture of 8051 microcentroller with neat diagram. (10)	
		(jj)	Explain the TMOD function register and its timer modes of operations.	5
			Or	
	(b)	(i)	Write a brief note on external data move operations in 8051. (6	) <u> </u>
		(ii)	cost arrembly language program to add three BUI	
				0)
15.	(a)	(i)		6)
		(ii	How do you interface RTC with μp/μc?	6
			Or	e 3
	(b)	(i)	Draw the diagram to interface a stepper motor with a 800 microcontroller and explain. Also write an 8051 ALP to run to stepper motor in both forward and reverse direction with delay. (1)	he be
		7*	The state of the s	(6)
		(i	I) WHILE IS I THE SAMPLE	
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