Registra	ation no:									
Total Number of Pages: 02 210 210 210							²¹⁰	B.Tech CS4301	1	
5 th Semester Regular / Back Examination 2016-17 COMPUTER ORGANIZATION BRANCH(S): CSE, FASHION, FAT, IT, ITE										
210	210	2	Max I	: 3 Hou Marks: 1 DE:Y4	70 58	210		210		2
Answer Question No.1 which is compulsory and any five from the rest. The figures in the right hand margin indicate marks.										
Q1 a) b) c) d) 210 e) f) g) h) i)	What is the fu What is page What is seek What is the us Why refreshir Add 0.2513 x	functions of range of a lanction of mange of mange of mange of loop of time? Se of I/O programment of time? The control of t	f a memory had the signar algorith occessor? required in 13 x 10 ²	ccording t ry data re aving 7 A al for a ad m is best	gister ar ddressir der / sul and wh	nd memong lines and bstractor y?	ory addres	210	(2 x 10)	2
j) Q2 ₂₁₀ a)	What is comp			210		210		210	(2)	2
b) Q3 a)	Design a mer contains SIXTI byte.	mory having	FOUR (0)4) memo	ry chips,	, each m	emory chi		(8) (5)	
²¹⁰ b)	Explain the in	struction e	ecution c	ycle with	state dia	agram.		210	(5)	2
Q4 a)	Explain the A the output of					able diag	ram. Find		(5)	

b) What are the characteristics of a cache? Draw the direct cache having

containing each block size of 4 words.

main memory capacity of 24 bytes and cache size of 12 bytes

(5)

Q5	a)	Explain about the basi	it.	(5)				
210	b)	Explain about the unce example from each.	210	(5)	210			
Q6	a)	Show how the add organization, if the op R2.		(7)				
210	b)	Write the micro instructions for the above operations. 210						210
Q7	a)	Explain about the page replacement algorithm?						
	b)	Find out the page f algorithm for the string of 3 & 4.		(5)				
210 Q8		Write short notes on	any two:	210	210	210	(5 x 2)	210
	a)	Virtual Memory						
	b)	IEEE-488 standard						
210	c)	Cache write policies.	210	210	210	210		210
210		210	210	210	210	210		210