0.6	T_	What is a Dor II 10 year			
Q.6	a.	What is a Deadlock? What are the necessary conditions for the deadlock to 0 occur?	6 I	1 0	O3
	b.	Consider the following		L2	
		A TOCCOS MINOCOLINA	4 1	L3 (CO ₂
		A B C A Available			
		Po O 1 O A B C			
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
		P_2 3 0 2 9 0 2			
		P_3 2 1 1 2 2 2 2			
		$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			
		Answer the following questions:			
		1) What is the content of the matrix and 19			
		11) Is the system on a safe state? If as find a			
		iii) If P ₁ requirements for (1, 0, 2) additional resources can P ₁ be granted.			
		B			
Q.7	a.	What is paging? F. Module – 4			
		What is paging? Explain with a neat diagram paging hardware with TLB.	10	L1	CO4
	b.			L2	
		Explain the different strategies used to select a free hole from available holes.	05	L1	CO4
	c.	What is Fragmentation? List and explain its types.			
		Elst and explain its types.	05	L2	CO4
		OR			
Q.8	a.	What is page fault? With a neat diagram explain steps in handling page, 08 fault.			
	<u> </u>	fault.	08	L2	CO4
	b.	Consider the page reference string for a memory with 3 frames determine the number of page faults using EIFO			
		the number of page faults using FIFO, optimal and LRU replacement algorithms. Which algorithms is more efficient?	12	L3	CO4
		algorithms. Which algorithms is more efficient?			
	<u> </u>	7 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 7 0 1			
Q.9					
Q.9	a.	Define File. List and explain different file operations and file attributes.			
	b.	First : 22	10	L1	CO5
	ъ.	Explain the different file allocation methods.			
			10	L2	CO5
Q.10	a.	OR OR			
Q.10	a.	What is Access Matrix? Explain the implementation of Access Matrix.			
	b.	A dain 1 and Access Matrix.	10	L2	CO
	υ.	A drive has 5000 cylinders numbered 0 to 4999. The drive is currently servicing at a request 143 and previously served.			
		servicing at a request 143 and previously served a request at 125. The queue of pending request in FIFO order.	y 10	L3	CO
		queue of pending request in FIFO order.	e		
		00, 14/0 913 1774 040 + 700			
		starting from current head position. What is the total distance travelle			
		(in cylinders) by a disk arm to satisfy the request using	d		
		FCFS, SSTF, SCAN, LOOK and C-Look algorithm			
		and Cal ook olars in	1	1	1

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