	ANNA UNIVERSITY COIMBATORE			
	B.E. / B.TECH. DEGREE EXAMINATIONS : OCTOBER 2009	18.	Give an advantage and disadvantage for linked allocation method?	
	REGULATIONS - 2007	19.	List some of the file operations.	
	FOURTH SEMESTER	20.	What is the need of Buffer.	
	070230013 - OPERATING SYSTEMS			
	(COMMON TO CSE / IT)		PART – B	
TIME	: 3 Hours Max.Marks : 100		(5 x 12 = 60 MAR	(KS
	PART – A		ANSWER ANY FIVE QUESTIONS	
	(20 x 2 = 40 MARKS)			
	ANSWER ALL QUESTIONS	21.	Explain the various system components in detail.	
1.	What are the jobs of an operating system?			
2	What are the different types of systems?	22.	Explain the inter process communication in detail.	
3.	What is the need for DMA?			
4.	What are the activities of operating system in concern with disk management	23.	Explain FCFS, Round Robin and Priority scheduling using an example and	
5.	What are the common types threading implementation?		state which type scheduling is best in terms of processing time.	
6.	Give the two types of Scheduling?			
7.	Define Semaphore.	24.	Explain any two classic problems of synchronization.	
8.	Define monitors. Where it was implemented?			
9.	Define Deadlock.	25	Explain the various techniques for deadlock avoidance.	
10.	How we can prevent deadlock?			
11.	What is DLL? Where it is adapted?	26. a	Explain the terms paging and explain the paging hardware diagram.	6
12.	Define the concept of paging.	b	Explain the structure of any one paging table in detail.	6
13.	What is meant by virtual memory and which part of memory device is act as			
	virtual memory	27. a	Explain the concepts of page replacement in detail with a neat sketch.	6
14.	Define the simply the concept of optimal page replacement algorithm	b	Explain FIFO page replacement and optimal page replacement in detail with	6
15.	What are all the typical file attributes?	a	an example.	
16.	What is meant by thrashing?			
17.	What is meant by index block?	28.	Explain the various file allocation methods in detail.	
			*****THE END*****	

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