Lxam. Code : 107205 Subject Code: 2118

BCA 5th Semester

OPERATING SYSTEM COLDER (8)

(b) Deadlock Reco III-rage

Tim	e All	owed—3 Hours] [Maximum Marks-	—75	
Not	e :-	Attempt any five questions. All questions carry	qual	
		marks. grindsmill (dd		
1.	Describe the salient features of the following systems:			
	(a)	Multi-programmed Systems	7.5	
	(b)	Batch Systems.	7.5	
2.	Explain the following process transitions:			
	(a)	Running to Blocked	5	
	(b)	Running to Ready	5	
	(c)	Ready to Running.	5	
3.	Discuss the classical problem of Synchronization and the			
	met	hods for process synchronization.	15	
4.	Compare the following:			
	(a)	Segmentation and Demand Paging	7.5	
	(b)	LRU and FIFO page replacement Algorithm.	7.5	
5.	How memory management is carried out by an (

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6.	How C-LOOK and SSTF algorithms schedule	the disk		
	requests? Compare them using an example.	15		
7.	Discuss the following methods for handling deadlocks:			
	(a) Deadlock Detection	7.5		
	(b) Deadlock Recovery.	7.5		
8.	Write short notes on the following:			
	(a) Deadlock Avoidance	7.5		
	(b) Thrashing	75		

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