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Roll No					
	BT-5 / D-17				
	OPERATING SYSTEMS				
ne ai		75			
te :	Attempt five questions in all, selecting at least	one.			
	Unit-I				
(i)	What is an operating system? What are the functions of	the			
	operating system?	10			
(ii)	Define throughput and turn around time with suita	ble			
	examples.	5			
(i)	Describe the file system organization. Describe how	organization. Describe how file			
		8			
(ii)	Explain the differences in the degree to which the follow	ing			
		ort			
		7			
	,				
	(c) Multilevel feedback queues.				
	Unit-II				
(i)	Write note on LRU page replacement.	8			
(ii)	What is meant by fragmentation. Explain.	7			
(i)	Explain demand paging.	8			
(ii)	Explain the concept of segmentation with neat diagram.	7			
	ne ai (i) (ii) (iii) (iii)	BT-5 / D-17 OPERATING SYSTEMS Paper-CSE-307 me allowed: 3 hours] [Maximum marks: ite: Attempt five questions in all, selecting at least of question from each unit. All questions carry equal maximum. Unit-I (i) What is an operating system? What are the functions of operating system? (ii) Define throughput and turn around time with suital examples. (i) Describe the file system organization. Describe how hierarchy is managed? (ii) Explain the differences in the degree to which the follow scheduling algorithms discriminate in favor of shiprocesses. (a) First Come First Served. (b) Round Robin (c) Multilevel feedback queues. Unit-II (i) Write note on LRU page replacement. (ii) What is meant by fragmentation. Explain. (i) Explain demand paging.			

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Unit-III

5.	(i)	What is the motivation for establishing inter-process		
	.,	communication?	8	
	(ii)	Explain critical section problem in detail.	7	
6.	(i)	Explain the Banker's algorithm for deadlock avoida	nce with	
	17	an example.	10	
	(ii)	Explain thrashing.	5	
		Unit-IV		
7.	Wr	ite a short note on with reference to DOS:	15	
	(i)	device system		
	(ii)	interrupt mechanism		
8.	Wr	ite a short note on with reference to DOS:	15	
	(i)	Concurrency control		
	(ii)	File system		

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