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eg. :	No:								
	SIDDHA	RTH INS	TITUTE C			TECH	INOL	OGY:: PUTTUR	
	п	Т I. II I		(AUTONO	,		. 0.4.	h 2020	
	В			nester Regu TALS OF C					
				Science & In				15	
ne: 3	3 hours	(1				0,77	Max. Marks	s: 60
					RT-A				
			(Answer	r all the Ques	stions 5 x 2	= 10 N	Marks)		
1	a What	are the ad	vantages of	f Multiprogra	amming?				21
		e Thread.							21
	c Defin	e 'Safe St	ate"						21
			al Fragment	tation?					21
	e What	is Directo	ory?						21
					<u>RT-B</u>				
			(Answe	er all Five U		= 50 M	larks)		
				UI	NIT-I				
2	Explain	the operat	ing system	structures.					10
					OR				
3	a Discu	iss about U	Jser and Op	perating Syst	em Interfac	e.			51
	b Write	a short no	ote on Syste	em programs					51
				UN	NIT-II				
4	Consider the following processes, with the length of CPU burst time given below:								10N
	Process			Burst Time		Pı	riority		
	P1			6		3			
	P2			3		2			
	P3			9		4			
	P4			4		1			
				e			5	using FCFS, non-	
		-	•		-			ge waiting time and	
	average	turnaroun	d time for e	each of the at		iling a	lgorith	ım.	
_	 1				OR				51
5	-	a Explain in detail about operations of process?							
	b What is CPU scheduling? Explain types of Scheduling and Scheduling Criteria in								51
	detail	?		-					
					IT-III				
6	-		adlock Dete						51
	b Expla	uin about t	he Recover	y from deadl					51
					OR				
7	-			adlock Avoic handling De					61 41

8

9



6M

4M

5M

UNIT-IV a Explain any two page replacement algorithms? b Explain the concept of segmentation in detail? OR a Explain Structure of page table? b Explain the concept of Virtual memory?

memory? 5M

10	a Explain File access methods in detail?	5M
	b What is Directory? Explain Directory implementation?	5M
	OR	
11	Explain in detail about File system Allocation methods with neat diagram?	10M

END