Q.P. Code: 16CS512



Reg. No:					

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

B.Tech II Year II Semester Regular & Supplementary Examinations May 2019

	L	o. Tech ii Teal II	Semester Regular & OPERATI	NG SYSTEM	Lammat	ions way 2019						
				ce & Engineering	g)							
Time:	Time: 3 hours Max. Marks: 60											
			(Answer all Five U	Inits $5 \times 12 = 60$	Marks)							
			`	NIT-I	warks)							
1												
	Systems.											
	b Difference between Uni-Programming and Multi Programming. OR											
2	a	a Explain Operating System Services.										
_	b List and explain the functions of Operating Systems.											
		•	· -	NIT-II								
3	a Write the difference between user level thread and kernel level thread.											
	b	What is meant by	Process? Explain the	-	gram.		6M					
		E 1' CDUC 1	1 11 A 1 1/1	OR			0.5					
4			eduling Algorithms w				6M					
	D	Process	U Scheduling algorithm P1	P2	P3	P4						
		Process Time	8	4	9	5						
		Arrival Time	0	1	2	3	6M					
			Uì	NIT-III	•							
5	a	Define process synchronization and explain Peterson solution algorithms. What is Monitor? Explain with any example using monitor.										
	b											
		OR Explain the solution for Dining-Philosophers Problem.										
6		a Explain the solution for Dining-Philosophers Problem.										
	b Discuss dead lock detection (Banker's Algorithm) with Example. UNIT-IV											
7	0	With the example	e explain the Segments				7M					
,		-	g with respect to mem		Explain		5M					
	~	what is swapping	, with respect to mem	OR	Explain.		3111					
8	a	Explain dynamic memory partition allocation with example.										
	b Discuss about page replacement algorithms with example.						6M					
			\mathbf{U}	NIT-V								
9	9 a Explain about Trusted Platform Model.						7M					
	b	What is secret key	y and public key crypt		n.		5M					
10		Evaloin about ***	staction Matrix with E	OR			7M					
10	a Explain about protection Matrix with Example.b Discuss the based protection with example.											
	U	Discuss the based	•	ND ***			5M					