O.P.Code:18CS0510

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H.T.No.

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS)

B.Tech II Year II Semester Supplementary Examinations May/June-2024 OPERATING SYSTEMS

					ING SYSTEM				
Computer Science and Engineering)									
Time: 3 Hours						Max. Marks: 60			
PART-A									
1	(Answer all the Questions 5 x 2 = 10 Marks) 1 a What is an Operating system?								
1	- Perening bystom:						CO ₁	L1	2M
	b Define process.						CO ₂	L1	2M
		c Give the condition necessary for a deadlock situation to arise.						L2	2M
	d Define Page Fault.						CO4	L1	2M
	e What are the various operations performed in a File?						CO ₅	L2	2M
	PART-B								
(Answer all Five Units $5 \times 10 = 50$ Marks)									
_	UNIT-I								
2	Define Operating System and explain the various types of Operating							L1,	10M
	Systems.							L2	
_		_			OR				
3	i Journal Willi Ozdilipios.							L2	5M
	b Explain different operations performed by the operating system.						CO ₁	L2	5M
					UNIT-II				
4	4 a Define Process? Explain process State diagram.						CO ₂	L1	5M
	b	Explain abou	t process so	hedulers.	0		CO2	L2	5M
					OR		002		5111
5		Evaluate SJF	CPU Scheo	luling algorithm	for given Pro	blem	CO ₂	L5	5M
		Process	P1	P2	P3	P4		LU	SIVI
		Process	8	4	9	5			
		Time							
		Arrival	0	1	2	3			
		Time							
	UNIT-III								
6							CO3	T 1	10N/I
	F						COS	L1, L2	10M
					OR			LL	
7	a Explain about Deadlock Avoidance						CO ₃	L5	6M
		Explain how					CO3	L2	4M
			-	_	UNIT-IV		000		41/1
8		Discuss about	page replac	cement algorithn		ale.	CO4	L6	10M
			1 0 1		OR	,10	CO4	LU	TUNI
9	Q a What is virtual managed Diagram of 1 1 C.								6M
	techniques						CU4	L1, L5	6 M
	b		notes on Dis	sk management			CO4	L5	43/1
				***	UNIT-V		CU4	LJ	4M
10							005	т с	53.5
10				od with Example	lo.		CO5	L2	5M
	U	Explain about	access men	iou willi Examp			CO5	L2	5M
11		Evnlain file al	location ma	thods in detail.	OR		a a-		
11		ryhiam me al	iocation ine		ATTO delect		CO ₅	L2	10M
				*** E	ND ***				