Reg. No:						
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## SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

## B.Tech I Year I Semester Regular & Supplementary Examinations March-2023 C PROGRAMMING AND DATA STRUCTURES

	C PROGRAMMING AND DATA STRUCTURES				
	(Common to CE, AGE, CSE, CSIT, CSM, CIC, CAD, CCC & CAI)	Acre M	1 ((	,	
	Time: 3 hours	Max. Marks: 60			
	(Answer all Five Units $5 \times 12 = 60$ Marks)				
	UNIT-I				
1		CO1	L3	<b>6M</b>	
	<b>b</b> Explain about Input and Output functions with examples.	CO1	L2	<b>6M</b>	
	OR				
2		CO1	L2	6 <b>M</b>	
		CO <sub>1</sub>	L3	6M	
	UNIT-II				
3		CO <sub>2</sub>	L4	6M	
		CO <sub>2</sub>	L2	6M	
	OR	COS		-	
4	a Distinguish between call by value and call by reference with an example programs.	CO2	L4	6M	
	<b>b</b> How to use Array as Function argument? Explain with an example program.	CO <sub>2</sub>	L2	6M	
	UNIT-III				
5		CO <sub>3</sub>	L4	6M	
		CO <sub>3</sub>	L3	6M	
	example program.				
-	OR	CO2	12	CNA	
6	1	CO3	L2 L4	6M 6M	
		COS	L4	OIVI	
7	What is a steel-2 Write the representation of steels	COA	T 1	CM	
7	1	CO4 CO4	L1 L4	6M 6M	
	Also perform POP operation for two elements and show the value on top of the	CO4	L4	OIVI	
	stack.				
	OR				
8		CO4	L2	6M	
	등 10 전에 생물하게 있다면 보다는 사람들이 하면 보다면 보다면 보다면 보다면 보다면 보다면 하는데 보다면	CO4	L3	6M	
	example.				
	UNIT-V				
9	a Explain the algorithm for quick sort and give a suitable example.	CO <sub>5</sub>	L3	6 <b>M</b>	
	<b>b</b> Difference between merge sort and quick sort.	CO <sub>5</sub>	L4	6M	
	OR				
10		CO5	L3	6M	
	54,26,93,17,77,31,44,55,20	~~-		<b>-</b>	
		CO <sub>5</sub>	L4	6M	
	** END ***				

Res.

## STRUCTURE OF ENGINEERING & TECHNOLOGY:: PUTTUR

## CHARACTACT IA

B. Tech 1 Year 1 Semester Regular & Supplementary Examinations March-2023
CEROGRAMMING AND DATA STRUCTURES

		Community Of AGE CSI, CSIT. CSM, CK. CAD. CCC & CAT	
		enunc é temi	
		Wife a C groceron to ease over an above using hundrons	
170		Where is a smoke whether representation of stacks.	
		Explain briefly about various types of queezs with saidote examples	
		V.TIVII	
		Explain the atomithm for quiet son and sive a suitable example.	