Q.P. Code: 20MC9101

Dea Mai								
Reg. No:		Carried Section						

## SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

## MCA | Year | Semester Regular & Supplementary Examinations May-2022 COMPUTER ORGANIZATION

Γ	Max. N	Marks: 60				
	(Answer all Five Units $5 \times 12 = 60$ Marks)					
	UNIT-I					
1	<ul> <li>a Build the Flow chart for Division with suitable example.</li> <li>b Examine signed and unsigned numbers for positive numbers with a suitable example.</li> </ul>					
	OR					
2	Using K- map simplify the Boolean function	L4	12M			
	$F(w, x, y, z) = \sum (0,1,2,4,6,8,9,12,13,14).$		I MITTE			
	UNIT-II					
3	a What is memory hierarchy?	L1	6M			
	<b>b</b> Write short note on Main memory.	L1	<b>6M</b>			
	OR					
4	Discuss in detail about design of control unit.	L2	12M			
	UNIT-III					
5	Discuss about Arithmetic instructions in detail with neat diagram.	L6	12M			
	OR	L1	6M			
6	* *					
	b Explain process control instructions in detail.	L2	<b>6M</b>			
	UNIT-IV	Y 0	CD #			
7	a Explain about Peripheral devices.	L2	6M			
	<b>b</b> Discuss about Input-output interface.	L6	6M			
0	OR	L5	6M			
8	<ul><li>a Explain Daisy chaining in detail.</li><li>b Explain Parallel priority in detail.</li></ul>	L5	6M			
	UNIT-V	Lie	OTT			
•		L2	6M			
9	<ul><li>a Explain about Parallel Processing and its Types.</li><li>b Design Pipelining with example.</li></ul>	L3	6M			
	OR		U.I.			
10	Build the Multiprocessor and its classification in detail.	L3	12M			
IU	Date the matther occupied and the companies of the compan					

\*\*\* END \*\*\*