Subject Code: CC-201 Subject Name: Computer Organization Date of Submission: 25-8-2021 Title: logic circuit & digital computer											
						-	-	are with diagr	am shov	wing hardware of	compute
						and explain f	ain it. Following terms				
						-	Computer orga				
	Computer Des										
•	Computer arch	•									
ŕ	•		he help	of graphical sym	bol,						
_	function and tr		•	•							
(1)	AND (4	) NAND	(7)	NOR							
(2)	,	EX-OR	` /								
(3)	NOT (6	,	_								
	_	i? Write Boole	an funct	tion, truth table a	nd logic						
diagram (		em hy using lo	oic diac	gram and truth tal	hle						
	•	•	-	able and circuit.	<i>J</i> 1C.						
-	full adder with l	•									
_		_		gram ,circuit and	truth						
table	1) 70			2) P							
	1) RS			3) D							
	2) JK										
9 .Explain (	CMOS integrate	ed circuit.									
	full form of fol	lowing	_								
1) EC			3,	) CMOS							
2) Mo		cuit and write	tmith tal	ole for following							
11.Draw ord	1) 2×4 Dec		tiutii tat	one for following							
		binary Encode	\ 10								

## 3) 4×1 Multiplexer

- 12. Explain decoder explain with diagram.
- 13. Explain Quadruple Multiplexer with block diagram and truth table.
- 14. What is register? Explain register with parallel load with diagram.
- 15.Explain shift register with diagram.
- 16. Explain synchronous binary counter with diagram.
- 17. What is memory? Explain internal structure of memory unit.
- 18.Explain RAM with block diagram.
- 19.Explain ROM with block diagram.
- 20. Explain types of ROM.