

Electronics-I

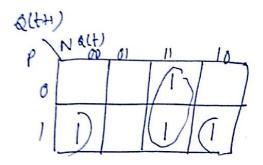
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Quiz 3

Max Marks. 10

Name:	Roll No:	Section
All questions are compuls	ory and use the space on this	s sheet with proper planning.
 Q.1: Implement the complem of 2-input NORgates. Q.2: Implement a full adder u Q.3: A PN flip-flop has 2 the output to 0, no che 	ent of function $F(A, B, C, D) = \Sigma$ sing two $4x1$ multiplexers. inputs P and N and output C ange in output, complement to re 00, 01, 10, and 11, respect	(0,2,3,4,5,8,10,12) using minimum number [3] [3] Q. It performs four operations: reset the output to 1,
$F(A,B,C,D) = \sum_{i=0}^{n} (O_{i} - \sum_{i=0}^{n} (O_$	3,415,8,10,12 $A+B+C$ C C C C C C C	2 b C _{1m} S Cout 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	PN	QIt)	alt+1
-	0 0	0	0
	00	FOREST	0
	01	0	0
	OI	1	1
. 0	10	0	1
[2]	10	1	0
	1	0	1
	1 (1 1



$$Q(t+1) = PQt + NQ(t)$$
[2]