Q. 1	GENERIC	Туре	Multiple choice	ce	Points	1	•••
How many different numbers can be represented with 30 bits?							
(4294967295) ₁₀							
(4294967296) ₁₀							
(1073741824) ₁₀							
(1073741823) ₁₀							
Q. 2	GENERIC	Туре	Multiple choice	ce	Points	1	•••
What is the largest unsigned 30-bit binary number?							
(4294967295) ₁₀							
(4294967296) ₁₀							
(1073741824) ₁₀							
(1073741823) ₁₀							
Q. 3	GENERIC	Type	Multiple choice	ce	Points	1	•••
What is the largest 2's complement 30-bit binary number?		.,,,,	marapio orion				
(536870912) ₁₀							
(536870911) ₁₀							
(2147483647) ₁₀							
(2147483648) ₁₀							
Q. 4	GENERIC	Туре	Multiple choic	ce	Points	1	•••
What is the complement of the Boolean expression AB(B'C + AC)?							
(A' + B') + (B + C') (A' + C')							
(A' + B') + ((B'C)' (AC)')							
(A+B)(B'+C)(A+C)							
(A' + B')(B + C') + (A + C')							
Q. 5	GENERIC	Туре	Multiple choice	ce	Points	1	•••
In the following combinational circuit, what is the output at M with ${\bf C}_1=1$ and ${\bf C}_0=0$?							
x_0							
X_2							
X ₃							
\square X_0							
\square X_1							
Q. 6	GENERIC	Type	Multiple choi	ice	Points	1	•••
(A xor B) xor B = ?							
All ones							
All zeros							
_ A							
B							
0.7	OFWEDIA	T. 122.0	Multiple obei		Dointo	1	
Q. 7 Half Adder combinational circuit requires	GENERIC	туре	Multiple choi	ce	Points	1	•••
two binary inputs.							
two binary outputs.							
both two binary inputs and two binary outputs.							
none of the above.							
Q. 8	GENERIC	Туре	Multiple choi	ce	Points	1	•••
Combinational circuits do not have							
gates							
memory elements							
none of the alternatives are correct							
Q. 9	GENERIC	Type	Multiple choic	ce	Points	1	•••
Each gate of the following circuit has a propagation delay of 100 picoseconds and a		,	·				
contamination delay of 50 picoseconds. What is the contamination delay of the circuit?)						
$c \longrightarrow -2$							
×=====================================							
50 picoseconds							
100 picoseconds							
150 picoseconds							
200 picoseconds							
Q. 10	GENERIC	Туре	Multiple choic	се	Points 1	1	•••
Each gate of the following circuit has a propagation delay of 100 picoseconds and a contamination delay of 50 picoseconds. What is the propagation delay of the circuit?							
A — — — — — — — — — — — — — — — — — — —							
B TO TO							
\times							
4-2							
100 picoseconds							
200 picoseconds							
300 picoseconds							
400 picoseconds							