

















	Jan 2021 CSE 206 Quiz Section A
	Suit 2021 COL 200 Quiz Occiloni
	Questions
16	You are to convert a decade counter to a Grey counter. What is the minimum number of logic gates required to make the conversion?
	O 2
	O 4
	O 5
	Clear selection
17	How many OR gates are required to implement a Decimal to BCD encoder? 1 point
	O 5
	O 2
	4
	O 3
	Clear selection
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https://docs.	Jan 2021 CSE 206 Quiz Section A Which of the following statement is false (if any)? PILL OUT A NEW RESPONSE Jan 2021 CSE 206 Quiz Section A
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https://docs.	Jan 2021 CSE 206 Quiz Section A Which of the following statement is false (if any)? Any boolean function can be implemented using 4x1 multiplexers only. Any boolean function can be implemented using 2x1 multiplexers only.
https://docs.	Jan 2021 CSE 206 Quiz Section A Which of the following statement is false (if any)? Any boolean function can be implemented using 2x1 multiplexers only. Any boolean function can be implemented using NOR gates only.
https://docs.	Jan 2021 CSE 206 Quiz Section A Which of the following statement is false (if any)? Any boolean function can be implemented using 4x1 multiplexers only. Any boolean function can be implemented using 2x1 multiplexers only. Any boolean function can be implemented using NOR gates only. All of the above statements are true.

19	A positive edge-triggered D flip-flop will store a 1 when 1 point
	The D input is HIGH and the clock transitions from LOW to HIGH
	The D input is HIGH and the clock transitions from HIGH to LOW
	The D input is HIGH and the clock is LOW
	The D input is HIGH and the clock is HIGH
	Clear selection
20	The inputs of a one bit comparator are A and B and the output is Y. Which of the following equations will give the right output for A = B? Y = AB' + AB
	Y = A'B' + A'B
	Y = AB' + A'B
	Y = A'B' + AB
	Clear selection
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21	Consider the following 3x8 Decoder. Here x,y,z are the decoder inputs and $^{-1}$ point o0 to o7 are the eight decoder output lines. Supposeyou want to implement the boolean function $F(x,y,z) = xy + yz$. Which output lines need to be ORed toimplement the desired function?
	2 3×8 Decoder 00 01 02 03 04 05 06 07
	00, 01, 02, 04, 05
	03, 06, 07
	02, 05, 06
	02, 05, 03, 06
	Clear selection
22	The logic circuits whose outputs at any instant of time depends not only on 1 point the present input but also on the past outputs are called
	○ Flip-flops
	O Combinational circuits
	Combinational circuits Latches
	O Latches
	Latches Sequential circuits
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