QUESTION 9

How many 512 x 16 RAM chips are needed to provide a memory capacity of 2 kilo Bytes?

- 0 4
- 0 16
- 0
- 8



None

$$(2 \cdot \lambda^{\circ} B)(\frac{8 \text{ bit}}{1 B}) = 16384 \text{ bit}$$



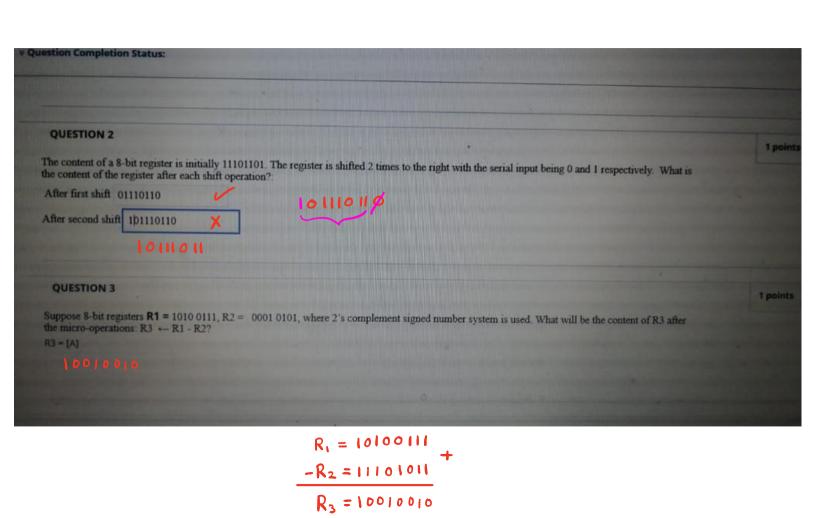


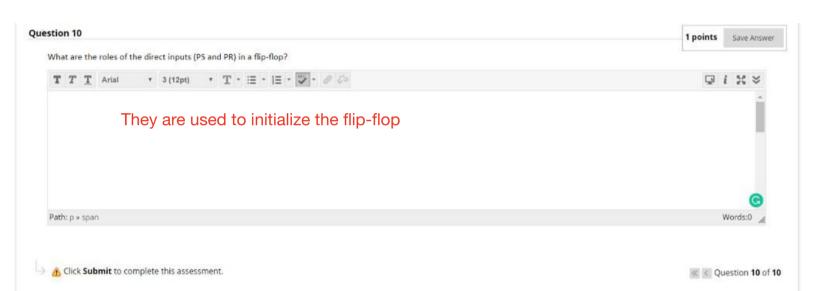
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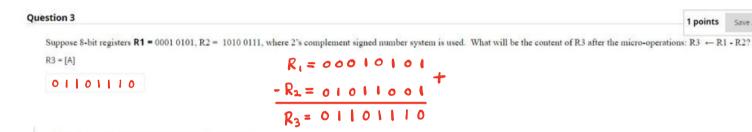
Close Window

Save Answer

	ds.	
Question Completion Status:		
AND DESCRIPTION OF THE PARTY.		
QUESTION 1		
A digital computer has a common bus s there in each multiplexer?	system for 16 registers of 32 bit each. The bus is constructed with multiplexers. How m	any selection inputs are
O5 &		
0 2	32 muxs	
03	32 muxs 16 to 1 mux	
(O4) V	16 to 1 man	
O None	2 ⁴ = 16	







« C Question 3 of 10 > »

1 points

Close Window

Save Answer

How many 256 x 16 RAM chips are needed to provide a memory capacity of 4 kilo Bytes?

- None
- @ 2
- @ 16
- 7/

$$(4 \cdot 2^{10} B) \left(\frac{8 \text{ bit}}{1 \text{ B}}\right) = 32768$$

$$(266.16)y = 32768 \implies y = 8$$

Moving to another question will save this response.

« Question 9 of 10 > »

Question 6

1 points Save Answer

The content of a 8-bit register is initially 11101101. The register is shifted 2 times to the left with the serial input being 1 and 0 respectively. What is the content of the register after each shift operation?:

After first shift

11101101

After second shift



⚠ Moving to another question will save this response.



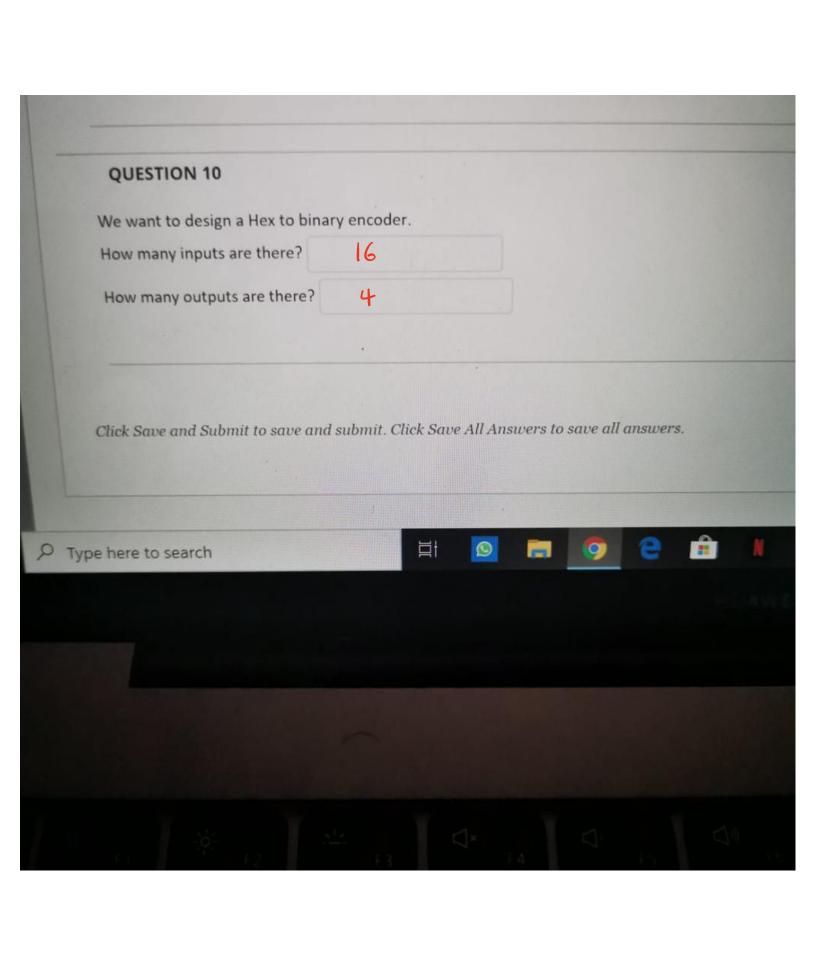
Question 5

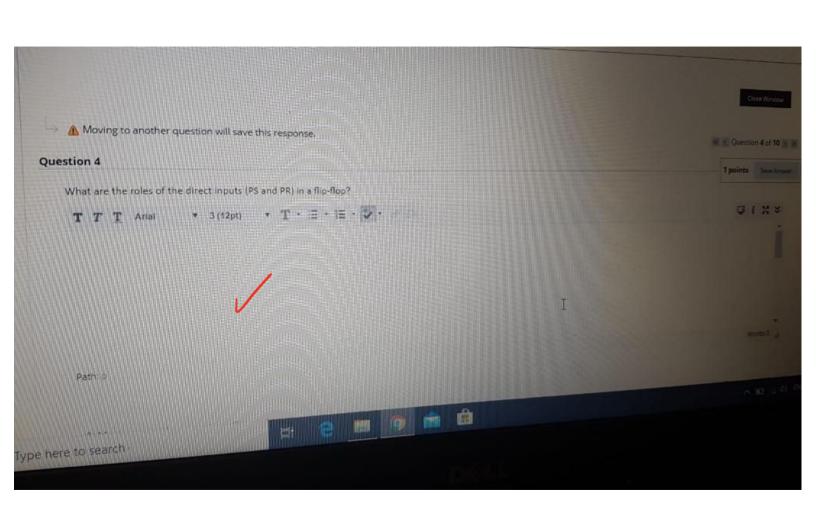
What are the roles of the direct inputs (PS and PR) in a flip-flop?

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).

T T T Arial - 3 (12pt) - T - 1≣ - 1≣ - 1□ - 0 €3







QUESTION 7

5 selections

We want to implement a Boolean function F(A, B, C, D, E) with a multiplexer.

What will be the size of the multiplexer? 2^5 to $1 \implies 32$ to 1

How many selection inputs are there?

QUESTION 8

How many 512 x 16 RAM chips are needed to provide a memory capacity of 2 kilo Bytes?

- None
- 0 4
- 0 4
- 0 8
- 0 16

$$(512.16)y = 16384 \implies y = 2$$

QUESTION 9

A digital computer has a common bus system for 16 registers of 32 bit each. The bus is constructed with methods in each multiplexer?

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

P Type here to search





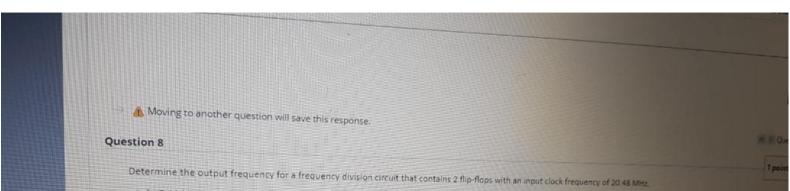






(2.210 B) (8 bit) = 16384





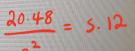
○ l. 5.12 kHz

III. 10.24 kHz

...

IV. 10.12 MHz

V. 5.12 MHz



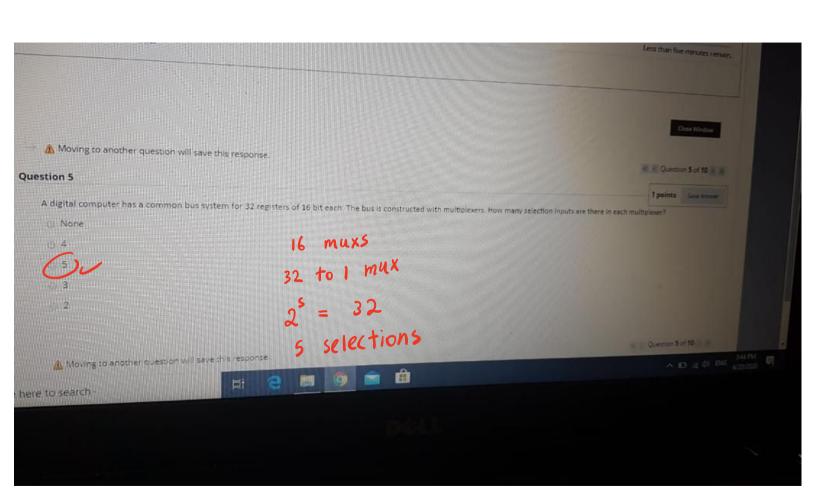










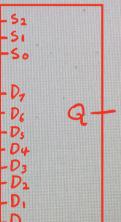


Question 1

الي عنده علم يفيدنا بحل ذا السؤال

For 8 X 1 multiplexer, Nor of selection input is-





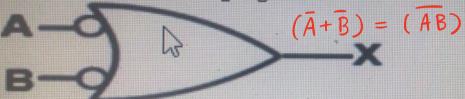
Moving to the next question prevents changes to this answer.



Moving to the next question prevents changes to this answer.

Question 9

Which of the following logic functions is illustrated by following figure



- O XOR X
- O NOR X
- O AND X



1 points Save Answer

Suppose 8-bit registers R1 = 0001 0101, R2 = 1010 0111, where 2's complement signed number system is used. What will be the content of R3 after the micro-operations: R3 \leftarrow R1 - R2?

R3 = [A]

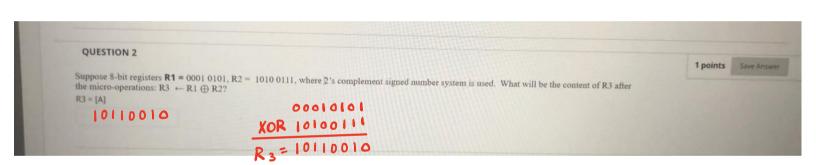
01101110

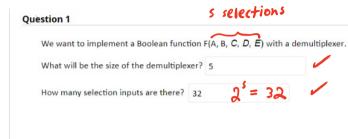
 $\frac{R_1 = 00010101}{R_2 = 0101101110} +$

ightarrow ightarrow Moving to another question will save this response.

« < Question 3 of 10 > »

Close Window





Question 1 of 10 > »

1 points



Suppose 8-bit registers **R1** = 1010 0111, R2 = 0001 0101, where 2's complement signed number system is used. What will be the content of R3 after the micro-operations: R3 \leftarrow R1 \wedge R2?

R3 = [A]

00000101

AND 00010101

Moving to another question will save this response.

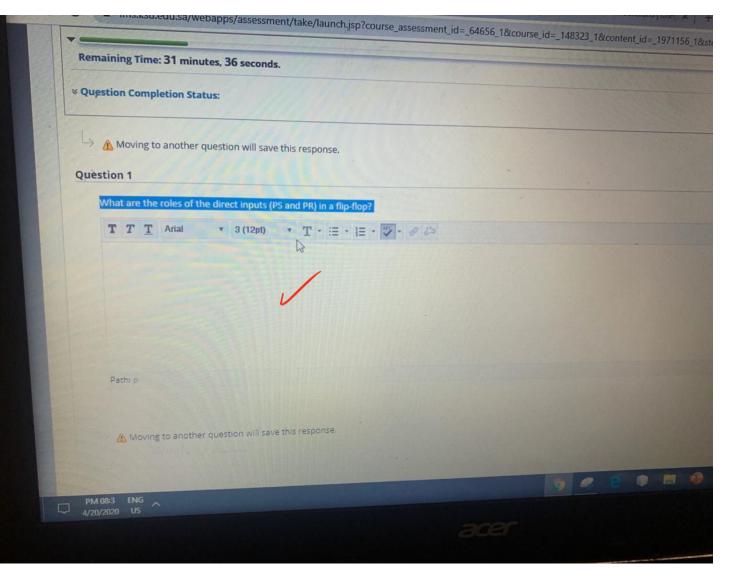


Question 1

How many flip-flops are required to construct an asynchronous MOD-200 counter?

2 = 256

- 0 10
- O None



Save Answer

A digital computer has a common bus system for 32 registers of 16 bit each. The bus is constructed with multiplexers. How many selection inputs are there in each multiplexer?

0 3



None

0 2

16 muxs

 $2^5 = 32$ S selections

Moving to another question will save this response.





How many flip-flops are required to construct an asynchronous MOD-200 counter?



-

None

Moving to another question will save this response.



1 points

QUESTION 10 S selections We want to implement a Boolean function F(A, B, C, D, E) with a multiplexer. What will be the size of the multiplexer? How many selection inputs are there? 5

