<u> </u>	
	Friday, 25 February 2022, 1:50 PM
	Finished
	Friday, 25 February 2022, 1:54 PM
	4 mins 11 secs
	2.00/4.00
Grade	<b>5.00</b> out of 10.00 ( <b>50</b> %)
Question <b>1</b>	
Complete	
Mark 1.00 out of 1.00  Two 1's with a car  a. 1,1	ry-in of 1 are added using a ripple carry adder. What are the outputs?
Mark 1.00 out of 1.00  Two 1's with a car	ry-in of 1 are added using a ripple carry adder. What are the outputs?
Two 1's with a car  a. 1,1 b. 0,1	ry-in of 1 are added using a ripple carry adder. What are the outputs?
Two 1's with a car  a. 1,1 b. 0,1 c. 1,0	ry-in of 1 are added using a ripple carry adder. What are the outputs?
Two 1's with a car  a. 1,1 b. 0,1 c. 1,0 d. 0,0	ry-in of 1 are added using a ripple carry adder. What are the outputs?

- a. Are the expressions for the carry look ahead adder
- O b. Are the expressions for the Full subtractor
- $\hfill \bigcirc$  c. Are the expressions for the ripple carry adder
- d. None of the mentioned

Question <b>3</b>
Complete
Mark 0.00 out of 1.00
<ul> <li>What is true for the look ahead carry adder?</li> <li>a. All of the mentioned</li> <li>b. They work by creating two signals P and G known to be Carry Propagator and Carry Generator.</li> <li>c. To reduce the computation time, there are faster ways to add two binary numbers by using carry lookahead adders</li> <li>d. The carry propagator is propagated to the next level whereas the carry generator is used to generate the output carry ,regardless of input carry.</li> </ul>
Question 4
Complete
Mark 1.00 out of 1.00
A half adder is implemented with XOR and AND gates. A full adder is implemented with two half adders and one OR gate. The propagation delay of an XOR gate is twice that of an AND/OR gate. The propagation delay of an AND/OR gate is 1.2 microseconds. A 4-bit ripple-carry binary adder is implemented by using full adders. What is the total propagation time of this 4-bit binary adder in microseconds.
<ul><li>a. 19.5 ms</li><li>b. 19.2 ms</li></ul>
○ c. 19.8 ms
○ d. <b>20 ms</b>
→ Assignment 2-18-02-2022
Jump to

Assignment 4-04-03-2022 ►