

NPTEL » Computer architecture and organization

Announcements

About the Course

Ask a Question Progress Mentor

Register for Certification exam

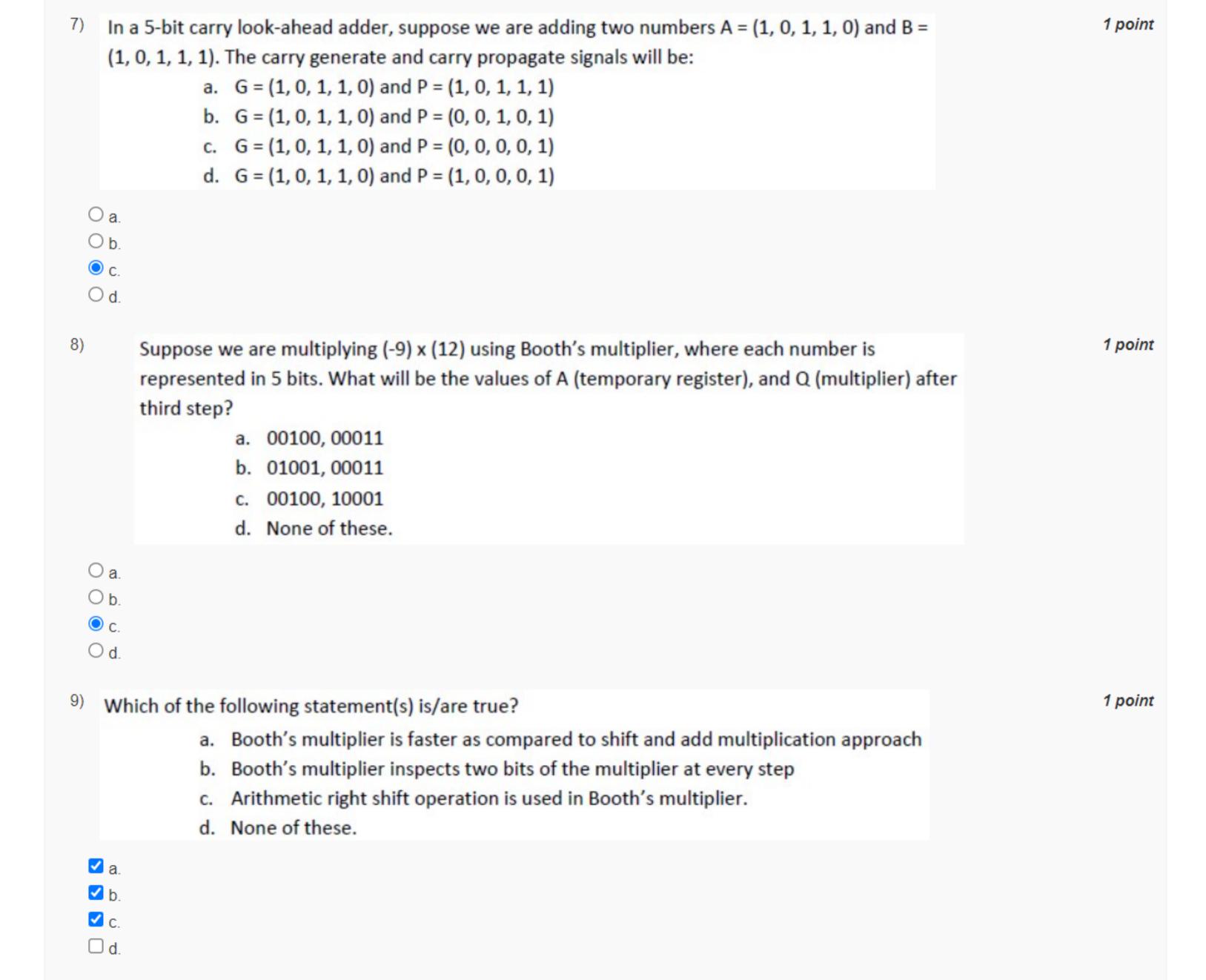
Course outline
How does an NPTEL online course work?
Week 0
Week 1
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
O Lecture 33: DESIGN OF ADDERS (PART 1)
O Lecture 34: DESIGN OF ADDERS (PART 2)
O Lecture 35: DESIGN OF MULTIPLIERS (PART 1)

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Thank you for taking the Week 7: Assignment 7.

Week 7: Assignment 7	
Your last recorded submission was on 2021-09-12, 20:50 IST	Due date: 2021-09-15, 23:59 IST
Decimal equivalent of 11101011 represented in 2's complement format will be?	
-21	1 point
2) Largest number that can be represented using 8-bit 1's complement representation will be	
127	1 point
3) If we implement a half adder only with basic gates (AND, OR, NOT), then how many basic will be required? a. 6 b. 5 c. 4 d. 3	gates 1 point
 a. b. c.	

 Lecture 36: DESIGN OF MULTIPLIERS (PART 2) 	4) If the delay of each basic gates is "δ", and the inputs are available in both complemented and	1 point
Lecture 37: DESIGN OF DIVIDERSWeek 7 Lecture Material	uncomplemented forms, the total delay required by SUM and CARRY outputs of a full adder is: a. 2δ and 2δ b. 2δ and 3δ	
Quiz: Week 7 : Assignment7	 b. 2 θ and 3 θ c. 3 δ and 2 δ d. 3 δ and 3 δ 	
Feedback form for Week 7	O a.	
Week 8	O b.	
DOWNLOAD VIDEOS	○ c.○ d.	
Assignments Solution	Which of the following statement(s) is/are true for carry lookahead adder?	1 point
	 a. Addition can be carried out in constant time. b. All carries can be generated in parallel. c. The cost of carry lookahead circuit increase rapidly with increase in number of bits. d. None of these. ✓ a. ✓ b. ✓ c. ☐ d. 	
	6) Carry save adder consist of? a. Cascaded full adders. b. Independent full adders. c. Parallel adder in the last stage. d. Carry select adders. e. None of these.	1 point
	□ a. ✓ b. ✓ c. □ d. □ e.	



10)		re dividing 37/6 using restoring division method, where A and M are represented t will be the value of A after the third step?	1 point
	a.	0000	
	b.	0100	
	c.	1011	
	d.	1110	
	a. b. c. d.		
	nay submit any nur mit Answers	mber of times before the due date. The final submission will be considered for grading.	

Note: All these answers are confirmed from our side, we don't guarantee that you will get a 100% score. These are our own answers that we are sharing with you all. If you have any doubt that our answers are not correct then feel free to discuss (in-group) or do your own answer.

Most important: We don't promote any type of cheating, these answers are only for those students who are not able to do it on their own or need some help.