Quiz 2

Due Sep 5 at 11:59pm **Points** 6 **Questions** 6

Available Sep 1 at 11:59am - Oct 5 at 11:59pm Time Limit 30 Minutes

Instructions

Task

• The quiz should be taken in a closed book environment.

The questions can be in many formats (Multiple Choice/Multiple answers/Fill in the blanks)

The quiz should be attempted after completing the weekly Assignment to give more preparation.

These short activities will give a feedback about the understanding of the material at hand.

Even though these are time bound, I have allocated enough time for each question.

This a weekly quiz to be completed by Sunday of the week.

Check your quiz score and the correct answers after Monday following the quiz.

Assignment scoring

- Each of the assignments will yield 6 points.
- Note the assignments put together account for 25% of the grade.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	18 minutes	2 out of 6

Score for this quiz: **2** out of 6 Submitted Sep 5 at 7:19pm This attempt took 18 minutes.

Question 1 0 / 1 pts
Consider the non empty languages L_1 and L_2
Is $L_1 L_2 = L_2 L_1$?

ou Answered

True

orrect Answer

False



Only E		
☐ Both D and E		
Only C		

0 / 1 pts **Question 4** Consider the following grammar over $\Sigma = \{a, b, c, d\}$: $S \rightarrow Sa \mid dT$ $T \rightarrow bTb \mid c$ How many of the following strings are not in L(G)? orrect Answer bcb Correct! ✓ dTaa ou Answered ✓ dc ou Answered dca orrect Answer cad

Which of the following describes L(G) accurately?

- A) λ
- B) $0^{m}1^{n}$ |m, n>=0
- C) $0^{m}1^{n} \mid m,n>=1$
- D) 0^m1ⁿ | m>n

orrect Answer

- A
- _ C
- D

ou Answered

B

Question 6

1 / 1 pts

Consider the grammar $G = (\{S, A, B\}, \{0, 1\}, S, P)$, where $P = \begin{cases} S \to AB \\ A \to 0A1 | \lambda \\ B \to 0B1 | \lambda \end{cases}$.

which of the following strings are generated by the grammar.

- Ι) **λ** ΙΙ) 01
- III) 10 1V) 0101
- V) 0011
- Correct!
- V

Correct!

- **/**

Correct!

✓

Correct!

✓ IV

Quiz Score: 2 out of 6