VU QUIZ REPORT

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Subject: CS402

Quiz Completed: 1/5/2026, 11:49:03 AM
Total Questions: 10
Mathematical Questions: 1
CROPPED Screenshots: 1

Question 1:



You selected: C

Mathematical question (CROPPED screenshot - top 20% removed)

Selected Answer: C

Question 2:

If a language is regular it must generate _____ number of distinct classes.

A. three

B. finite

C. two

D. infinite

Selected Answer: B

Question 3:

If L1 and L2 are two regular languages, then they _____ expressed by FAs.

A. May be

B. may or may not be

C. can be

D. cannot be

Selected Answer: C

Question 4:

Which of the following cannot be represented by a regular expression?

A. Language of even-even

B. String of 0's with a prime length

C. String of 0's with an odd length

D. Language of odd-odd

Selected Answer: B

Question 5:

If we subtract a binary number 1010 from the binary number 1101(ignore the overflow), then the result will be:

A. 0010

B. 0011

C. 1010

D. 1100

Selected Answer: B

Question 6:

There is at least one production in CFG that has one _____ on its left side.

A. Unit production

B. Terminal

C. Null production

D. Non terminal

Selected Answer: D

Question 7:

The language “PRIME” is an example of _____ language.

A. regular

B. non regular but finite

C. non regular

D. regular but finite

Selected Answer: C

Question 8:

If an effectively solvable problem has answer in YES or NO, then the solution is called _____.

A. decision procedure

B. finite solution

C. infinite problem

D. optimal procedure

Selected Answer: A

Question 9:

The values of input (say a & b) do not remain same in one cycle due to

A. Clock pulse

B. NOT gate

C. OR gate

D. NAND gate

Selected Answer: A

Question 10:

We have FA accepting the language L, now if we are going to find the complement of L, then we should:

A. Change FA non final states into final states

B. Only change FA old final states into non final states

C. Change FA non final states into final and final states into non final states

D. Change FA final states into non final states

Selected Answer: C

Mathematical Questions Note:

Questions containing mathematical equations and symbols are displayed as CROPPED screenshots (top 20% removed for privacy) to preserve the original formatting. Your selected answers are displayed below each screenshot for easy reference.