VU Quiz Collection

Total Quizzes: 10

Courses: CS302 - Digital Logic Design (Semester Quiz # 02), CS301

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Quiz 1 - CS302 - Digital Logic Design (Semester Quiz # 02)

Question:

In a 4-variable K-map, a 2-variable product term is produced by

Options:

A. a 8-cell group of 1s

B. a 2-cell group of 1s

C. a 4-cell group of 1s

D. a 4-cell group of 0s

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Quiz 2 - CS302 - Digital Logic Design (Semester Quiz # 02)

Question:

The look-ahead carry circuits_____

Options:

A. Add a 1 to complemented inputs

B. Increase ripple delay

C. Determine sign and magnitude

D. Reduce propagation delay

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Quiz 3 - CS302 - Digital Logic Design (Semester Quiz # 02)

Question:

The bolean expression A + BC equals

Options:

A. (A' + B)(A' + C)

B. (A + B')(A + C')

C. (A + B)(A + C)

D. (A + B)(A' + C)

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Quiz 4 - CS302 - Digital Logic Design (Semester Quiz # 02)

Question:

The Adjacent 1s Detector accepts 4-bit inputs. If _____ adjacent 1s are detected in the input, the output is set to high.

Options:

A. 2

B. 1

C. 4

D. 0

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Quiz 5 - CS302 - Digital Logic Design (Semester Quiz # 02)

Question:

_____ single digit BCD Adders can be cascaded together to form a 2-digit BCD Adder.

Options:

A. Two

B. Four

C. Three

D. One

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Quiz 6 - CS302 - Digital Logic Design (Semester Quiz # 02)

Question:

The _____ select input(s) of the two 4-input multiplexers are common in Dual 4-input multiplexer.

Options:

A. Three

B. Two

C. Four

D. One

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Quiz 7 - CS301

Question:

If there is a complete binary tree of depth 4, the total number of nodes in it will be:

Options:

A. 31

B. 33

C. 32

D. 30

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Quiz 8 - CS301

Question:

Binary search tree class is defined as a template class so that it can be used for _____ datatype(s).

Options:

A. Integer

B. Strings

C. Character

D. Any

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Quiz 9 - CS301

Question:

Which of the following condition will be true if a node is NULL during the in-order traversal using recursive calls?

Options:

A. Node contains only left child

B. Node does not contain both left and right children

C. Node contains only right child

D. Node can contain only one child

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Quiz 10 - CS301

Question:

Which of the following is true about binary trees?

Options:

A. Parent node of two sibling nodes must be same

B. A node can have multiple parent nodes

C. A binary tree should have only one leaf node

D. A binary tree should have two root nodes

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