

CIT292 noun exams

Course Code

cit292

Question

There are _____ cells in a 4-variable K-map.

Answer

16

Question

A Karnaugh map (K-map) is an abstract form of _____ diagram organized as a matrix of squares.

Answer

Venn Diagram

Question

_____ expressions can be implemented using either (1) 2-level AND-OR logic circuits or (2) 2-level NAND logic circuits.

Answer

SOP

Question

There are ____ Minterms for 3 variables (a, b, c).

Answer

8

Question

Canonical form is a unique way of representing____.

Answer

Boolean Expressions

Question

(170)base10 is equivalent to ____base16.

Answer

(AA)base16

Question

Convert the hexadecimal number $(1E2)_{\text{base}16}$ to decimal: ____.

Answer

482

Question

The octal equivalent of the decimal number $(417)_{\text{base}10}$ is ____.

Answer

$(641)_{\text{base}8}$

Question

The octal number $(651.124)_{\text{base}8}$ is equivalent to ____ base 16.

Answer

$(1A9.2A)_{\text{base}16}$

Question

The given hexadecimal number $(1E.53)_{16}$ is equivalent to ____
base 8 .

Answer

$(36.246)_8$

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