

Time Left **88**  
sec(s)

**Question # 1 of 10 ( Start time: 07:49:22 PM )**

**Total Marks: 1**

Which one is true

**Select correct option:**

- ☐ Power consumption of TTL is higher than CMOS
- ☐ Power consumption of CMOS is higher than TTL
- ☐ Both TTL and CMOS have same power consumption
- ☐ Power consumption of both CMOS and TTL depends on no. of gates in circuit.

[Click here to Save Answer & Move to Next Question](#)

Time Left **88**  
sec(s)

Quiz Start Time: 07:49 PM

**Question # 2 of 10 ( Start time: 07:49:45 PM )**

**Total Marks: 1**

A SOP expression having a domain of 3 variables will have a truth table having \_\_\_\_ combinations of inputs and corresponding output values.

**Select correct option:**

- ☐ 2
- ☐ 4
- ☐ 8
- ☐ 16

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Time Left **88**  
sec(s)

Quiz Start Time: 07:49 PM

**Question # 2 of 10 ( Start time: 07:49:45 PM )**

**Total Marks: 1**

A SOP expression having a domain of 3 variables will have a truth table having \_\_\_\_ combinations of inputs and corresponding output values.

Select correct option:

- ☐ 2
- ☐ 4
- ☐ 8
- ☐ 16

[Click here to Save Answer & Move to Next Question](#)

Time Left **89**  
sec(s)

Quiz Start Time: 07:49 PM

**Question # 4 of 10 ( Start time: 07:50:59 PM )**

**Total Marks: 1**

Don't care conditions are marked as \_\_\_\_\_ in the output column of the function table

Select correct option:

- ☐ 0
- ☐ 1
- ☐ X
- ☐ None of the given options

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sec(s)

Quiz Start Time: 07:49 PM

**Question # 5 of 10 ( Start time: 07:52:04 PM )**

**Total Marks: 1**

A standard SOP form has \_\_\_\_\_ terms that have all the variables in the domain of the expression.

Select correct option:

- ☐ Sum

- ☐ Product
- ☐ Max
- ☐ Composite

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Time Left **89**  
sec(s)

Quiz Start Time: 07:49 PM

**Question # 6 of 10 ( Start time: 07:52:33 PM )**

**Total Marks: 1**

A + B = B + A is \_\_\_\_\_

**Select correct option:**

- ☐ Demorgan's Law
- ☐ Distributive Law
- ☐ Commutative Law
- ☐ Associative Law

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Time Left **81**  
sec(s)

Quiz Start Time: 07:49 PM

**Question # 7 of 10 ( Start time: 07:53:11 PM )**

**Total Marks: 1**

the boolean expression  $AB'CD$  is

**Select correct option:**

- ☐ a sumterm
- ☐ a product term
- ☐ a literal term
- ☐ always 1

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sec(s)

Quiz Start Time: 07:49 PM

**Question # 8 of 10 ( Start time: 07:53:31 PM )**

**Total Marks: 1**

For a Standard SOP expression, a \_\_\_\_\_ is placed in the cell corresponding to the product term (Minterm) present in the expression.

**Select correct option:**

- ☐ 0
- ☐ 1
- ☐ X (don't care condition)
- ☐ Any of given option depending on SOP term.

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Time Left **67**  
sec(s)

Quiz Start Time: 07:49 PM

**Question # 9 of 10 ( Start time: 07:54:12 PM )**

**Total Marks: 1**

The cell marked 6 in 4-variable K-Map represent minterm 6 or the maxterm 6 having the following binary value of variables A, B, C and D.

**Select correct option:**

- ☐ A=1, B=1, C=0, D=0
- ☐ A=0, B=1, C=1, D=0
- ☐ A=0, B=0, C=1, D=1
- ☐ A=1, B=0, C=0, D=1

[Click here to Save Answer & Move to Next Question](#)

Time Left **78**  
sec(s)

Quiz Start Time: 07:49 PM

Question # 10 of 10 ( Start time: 07:55:41 PM )

Total Marks: 1

the boolean expression  $A + B' + C$  is

Select correct option:

- ☐ a sum term
- ☐ a literal term
- ☐ a product term
- ☐ a complemented term

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