

Cs302 Solve Quiz No:01

... . By Sir Ray Afzal. . .



_____ is the example of Commutative Law for Multiplication

Select the correct option

<input type="radio"/>	$AB=BA$
<input type="radio"/>	$A(B+C) = B(A+C)$
<input type="radio"/>	$AB+C = A+BC$
<input type="radio"/>	$A+B=B+A$

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Click

Question # 9 of 10 (Start time: 08:11:44 PM, 06 January 2022)

Total Mark

In 15 digit decimal floating point format, the biased exponent value _____ can be used to represent the number zero whatever the value of the mantissa.

Select the correct option

<input type="radio"/>	0
<input type="radio"/>	0000
<input type="radio"/>	000
<input type="radio"/>	00

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

Question # 8 of 10 (Start time: 06:09:49 PM, 06 January 2022)

_____ and _____ are the steps of the Quine-McCluskey.

Select the correct option

<input type="radio"/>	Write binary codes and write SOP.
<input type="radio"/>	Draw a table and make groups.
<input type="radio"/>	Find prime implicants and select minimal set of prime implicants.
<input type="radio"/>	Write binary codes and write POS.

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Click to S

Question # 7 of 10 (Start time: 06:07:42 PM, 06 January 2022)

The maximum value, represented by a single hexadecimal digit is _____

Select the correct option

<input type="radio"/>	"F"
<input type="radio"/>	"H"
<input type="radio"/>	"E"
<input type="radio"/>	"G"

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Question # 6 of 10 (start time: 06:05:52 PM, 06 January 2022)

Excess-8 code of -6 is _____

Select the correct option

<input type="radio"/>	1110
<input type="radio"/>	0110
<input type="radio"/>	1010
<input type="radio"/>	0010

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Question # 5 of 10 (Start time: 06:04:12 PM, 06 January 2022)

Caveman number system is Base _____ number system

Select the correct option



16



2



5

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10

Question # 4 of 10 (Start time: 06:02:23 PM, 06 January 2022)

A Karnaugh Map is organized in the form of a(an)_____.

Select the correct option

<input type="radio"/>	Array
<input type="radio"/>	Columns
<input type="radio"/>	Structure
<input type="radio"/>	Row

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Canonical form is a unique way of representing _____.

Select the correct option

<input type="radio"/>	POS
<input type="radio"/>	SOP
<input type="radio"/>	Boolean Expression
<input type="radio"/>	Minterm

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Question # 2 of 10 (Start time: 05:59:31 PM, 06 January 2022)

Total Marks:

_____ versions of logic gates are designed to withstand harsh and severe environmental conditions.

Select the correct option

- Domestic
- Military
- Business
- Commercial

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A _____ is converted into a standard POS by using the rule $AA^{-1} = 0$.

Select the correct option



Non-standard POS



Simplified POS



Simplified SOP



Non-standard SOP

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Question # 9 of 10 (Start time: 09:18:07 PM, 06 January 2022)

Total Marks: 1

A standard POS form has _____ terms that have all the variables in the domain of the expression.

Select the correct option

<input type="radio"/>	Product
<input type="radio"/>	Composite
<input type="radio"/>	Min
<input checked="" type="radio"/>	Sum

Question # 8 of 10 (Start time: 09:17:24 PM, 06 January 2022)

Total Marks: 1

The _____ is the slowest and consumes more power.

Select the correct option

<input type="radio"/>	Advanced Schottky TTL
<input checked="" type="radio"/>	Standard TTL
<input type="radio"/>	Low-Power Schottky TTL
<input type="radio"/>	Schottky TTL

Question # 6 of 10 (Start time: 09:16:16 PM, 06 January 2022)

Total Marks: 1

When the fuse of the _____ gate input is blown to set the input to logic high, the output of the XOR gate is opposite of the OR gate output.

Select the correct option

<input type="radio"/>	NAND
<input type="radio"/>	OR
<input type="radio"/>	AND
<input checked="" type="radio"/>	XOR

Question # 7 of 10 (Start time: 09:17:12 PM, 06 January 2022)

Total Marks: 1

NOT gate is also known as an _____.

Select the correct option

<input type="radio"/>	Input
<input type="radio"/>	Exclusive-OR
<input type="radio"/>	Fan-Out
<input checked="" type="radio"/>	Inverter

Question # 4 of 10 (Start time: 09:13:11 PM, 06 January 2022)

Total Marks: 1

If the number of samples that are collected is reduced by half, the reconstructed signal will be _____ from/to the original.

Select the correct option

<input type="radio"/>	Opposite
<input type="radio"/>	Same
<input type="radio"/>	Equal
<input checked="" type="radio"/>	Different



Click to Save Answer & Move to Next Question

Each Octal Number digit can represent a _____ Binary Number

Select the correct option

<input type="radio"/>	2-bit
<input type="radio"/>	4-bit
<input type="radio"/>	7-bit
<input checked="" type="radio"/>	3-bit

----- come in different configurations they are identified by unique number

Select the correct option

<input type="radio"/>	EPROM
<input type="radio"/>	GAL
<input type="radio"/>	PLAs
<input checked="" type="radio"/>	PALs

Question # 6 of 10 (Start time: 08:59:55 PM, 06 January 2022)

Total Marks: 1

_____ function tables are required to represent the input/output combinations for each segment in 7-segment display.

Select the correct option

<input checked="" type="radio"/>	7
<input type="radio"/>	8
<input type="radio"/>	10
<input type="radio"/>	5

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

Question # 9 of 10 (Start time: 09:04:22 PM, 06 January 2022)

Total Marks: 1

Inputs		Output
A	B	F
0	0	0
0	1	1
1	0	1
1	1	1

Select the correct option

<input type="radio"/>	NOT
<input type="radio"/>	XOR
<input type="radio"/>	AND
<input checked="" type="radio"/>	OR

----- come in different configurations they are identified by unique number

Select the correct option

<input type="radio"/>	EPROM
<input type="radio"/>	GAL
<input type="radio"/>	PLAs
<input checked="" type="radio"/>	PALs

Question # 4 of 10 (Start time: 08:58:07 PM, 06 January 2022)

Total Marks: 1

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

Select the correct option

<input type="radio"/>	0
<input checked="" type="radio"/>	2
<input type="radio"/>	1
<input type="radio"/>	4



Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 08:53:21 PM, 06 January 2022)

Total Marks:

The maximum decimal number that can be represented using the 64-bit unsigned representation is _____.

Select the correct option

<input type="radio"/>	$(2^{64})+1$
<input type="radio"/>	2^{64}
<input type="radio"/>	$(2^{64})-1$
<input checked="" type="radio"/>	2^{63}

Question # 10 of 10 (Start time: 08:51:46 PM, 06 January 2022)

Total Marks: 1

The _____ Gate is used in applications where the output signal is a 1 when any one input is a 1.

Select the correct option

<input type="radio"/>	XOR
<input type="radio"/>	NOT
<input checked="" type="radio"/>	OR
<input type="radio"/>	AND

Question # 9 of 10 (**Start time: 08:50:17 PM, 06 January 2022**)

NOT gate is also known as an _____.

Select the correct option

<input type="radio"/>	Exclusive-OR
<input checked="" type="radio"/>	Inverter
<input type="radio"/>	Input
<input type="radio"/>	Fan-Out

Question # 7 of 10 (Start time: 08:47:21 PM, 06 January 2022)

Total Marks: 1

The Decimal-to-BCD Encoder has _____ outputs

Select the correct option

<input type="radio"/>	2
<input type="radio"/>	16
<input type="radio"/>	4
<input checked="" type="radio"/>	10



Click to Save Answer & Move to Next Question

Question # 6 of 10 (Start time: 08:46:17 PM, 06 January 2022)

Total Marks: 1

 $1011+101 = \text{-----}$

Select the correct option

<input type="radio"/>	00001
<input type="radio"/>	11001
<input type="radio"/>	10011
<input checked="" type="radio"/>	10000



Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 08:38:39 PM, 06 January 2022)

Total Marks: 1

Implementing the Adjacent 1s detector circuit directly from the function table based on the SOP form requires _____ gates for the 8 product terms (minterms) with an 8-input OR gate.

Select the correct option

<input type="radio"/>	8 OR
<input type="radio"/>	8 NOR
<input type="radio"/>	8 XOR
<input checked="" type="radio"/>	8 AND



Click to Save Answer & Move to Next Question

Two 2-input, 4-bit multiplexers 74X157 can be connected to implement a ____ multiplexer.

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | 4-input, 8-bit |
| <input checked="" type="radio"/> | 2-input, 8-bit |
| <input type="radio"/> | 4-input, 16-bit |
| <input type="radio"/> | 2-input, 4-bit |

Question # 3 of 10 (Start time: 08:41:59 PM, 06 January 2022)

Total Marks: 1

The three fundamental gates are _____

Select the correct option

<input type="radio"/>	NOT, NOR, XOR
<input type="radio"/>	OR, AND, NAND
<input type="radio"/>	AND, NAND, XOR
<input checked="" type="radio"/>	NOT, OR, AND

Click to Save Answer & Move to Next Question

Question # 9 of 10 (Start time: 08:33:01 PM, 06 January 2022)

Total Marks:

The simplified expressions using either of the two K-maps are _____.

Select the correct option

<input checked="" type="radio"/>	Identical
<input type="radio"/>	Similar
<input type="radio"/>	Different
<input type="radio"/>	Non-identical

Question # 8 of 10 (Start time: 08:31:33 PM, 06 January 2022)

Total Marks:

Boolean Addition operation is performed by a(n) _____ gate.

Select the correct option

<input type="radio"/>	AND
<input type="radio"/>	XOR
<input type="radio"/>	NAND
<input checked="" type="radio"/>	OR



Click to Save Answer & Move to Next Question

Question # 3 of 10 (Start time: 08:24:32 PM, 06 January 2022)

The Extended ASCII Code (American Standard Code for Information Interchange) is a _____ code

Select the correct option

<input type="radio"/>	16-bit
<input type="radio"/>	7-bit
<input checked="" type="radio"/>	8-bit
<input type="radio"/>	2-bit

Question # 4 of 10 (Start time: 08:26:11 PM, 06 January 2022)

Total Marks:

The _____ allows both its AND Gate array and the OR gate array to be programmed independently.

Select the correct option

<input type="radio"/>	EPROM
<input type="radio"/>	GAL
<input checked="" type="radio"/>	PLA
<input type="radio"/>	PAL



