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Paid LMS Handling Available

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1. The counter states or the range of numbers of a counter is determined by the formula:

Options:

- a) n raised to the power of 2 and then minus 1
- b) 2 raised to the power of n
- c) 2 raised to the power of n and then minus 1
- d) n raised to the power of 2

Correct option: c) 2 raised to the power of n and then minus 1

2. "+" is written in ABEL as":

Options:

- a) AND gate
- b) XOR gate
- c) NOT gate
- d) OR gate

Correct option: d) OR gate

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3. Which logical gate is used to connect the two active-low enable inputs of the two 4-input multiplexers to form the C input of the 8-input multiplexer?

Options:

- a) AND gate
- b) XOR gate
- c) NOT gate
- d) OR gate

Correct option: d) OR gate

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

Options:

- a) 2-input, 8-bit
- b) 2-input, 4-bit
- c) 4-input, 8-bit
- d) 4-input, 16-bit

Correct option: c) 4-input, 8-bit

5. The GAL22V10 device is available as low-voltage _____ version.

Options:

- a) 3.3V
- b) 1.5V
- c) 2.0V
- d) 3.0V

Correct option: a) 3.3V

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6. The OLMC of the GAL16V8 is similar to the OLMC of the _____ with some enhancements.

Options:

- a) GAL14V10
- b) GAL12V10
- c) GAL22V10
- d) GAL16V10

Correct option: c) GAL22V10

7. Bi-stable devices remain in either of their _____ states unless the inputs force the device to switch its state.

Options:

- a) 2
- b) 3
- c) 8
- d) 10

Correct option: a) 2

8. OLMC stands for _____.

Options:

- a) Output Logic Micro Cells
- b) Ordered Logic Macro Cells
- c) Ordered Logic Micro Cells
- d) Output Logic Macro Cells

Correct option: d) Output Logic Macro Cells

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9. The low to high or high to low transition of the clock is considered to be an _____ trigger.

Options:

- a) Edge
- b) Trigger
- c) State
- d) One-shot

Correct option: a) Edge

10. Design of state diagram is one of the many steps used to design a _____ counter.

Options:

- a) Truncated counter
- b) Any counter
- c) Clock
- d) UP/DOWN counter

Correct option: a) Truncated counter

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