

_____ is one of the examples of asynchronous inputs.

Select the correct option



Clear Input (CLR)



S-R input



D input

Select the mode of programming in which GAL16V8 can be programmed.

▶ Select the correct option

- | | |
|----------------------------------|--------------------------|
| ☐ | Simple Mode |
| ☒ | All of the given options |
| ☐ | Complex Mode |
| ☐ | Registered Mode |

A-stable multi-vibrator continuously changes from one unstable state to the other with

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Select the correct option

☐

Variable

☐

Output

☐

Flip flop

☒

External trigger

A _____ attached to the Select inputs of the Demultiplexer routes the incoming serial bits to successive outputs where each bit is stored.

Select the correct option

☐ data

☐ buffer

☒ counter

☐ memory

Why demultiplexer is called a data distributor?

► Select the correct option

- ☐ Single input to Single Output
- ☐ The output will be distributed to one of the inputs
- ☒ One of the inputs will be selected for the output
- ☐ The input will be distributed to one of the outputs

Karnaugh map is used in designing

Select the correct option

☐

a counter

☒

All of the above

☐

a clock

_____ is one of the examples of synchronous inputs.

Select the correct option

☒ Preset input (PRE)

☐ Clear input (CLR)

☐ J-K input

☐ EN input

The _____ description is used to simulate the logic circuit and verify its operation.

Select the correct option

☐	Logic
☐	Test file
☒	Test vector
☐	Declaration

In asynchronous digital systems all the circuits change their state with respect to a common clock

Select the correct option

False



True



A latch is a temporary storage device that has _____ stable states.

Select the correct option

☐

four

☐

three

☒

two