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Quiz 1 Questions

Multiple Choice

1 point possible (graded, results hidden)

Usually Motors require a motor driver because:

- ☐ The ampere provided by Micro-controller is enough to drive a motor.
- ☒ The voltage provided by a Micro-controller is not enough to drive a motor.
- ☐ To convert analogue signals into digital signals.
- ☐ Motor driver acts as the calibration circuit.

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Answer submitted.


Multiple Choice

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[End My Exam](#)0:11:00 ☒ USB.☐ 36 Pin Parallel Connector.☐ DB9.[Submit](#)

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Multiple Choice

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Which of the following are the types of HDMI?

☒ Type D.☐ Type I.☐ Type F.☐ Type Z.[Submit](#)


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[End My Exam](#)0:11:00 ☐ CPU is connected with keyboard via internal bus.☐ Memory sends address to CPU through internal address bus for addressing purpose.☒ CPU is connected with monitor via external bus.[Submit](#)

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Multiple Choice

1 point possible (graded, results hidden)


Most inkjet, laser, and thermal printers use some ports to connect a printer to a computer in earlier days and at present. What is that?

☐ PS2.☒ USB.☐ Ethernet.☐ Serial.[Submit](#)

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☒ Any hardware or software which is used to connect two devices together to communicate is called an interface.

☐ Interfacing cannot be done between human and machine

☐ Interface is only responsible for transmitting analog to digital signal

☐ A and C

☐ All of the mentioned

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Multiple Choice

1 point possible (graded, results hidden)

Suppose two devices A and A' are communicating with a two bit data bus. In the bus controller e is used for read control and f is used for write control. What will happen if $e = 1$, $f = 0$, $e' = 0$, $f' = 1$:

☐ A is writing to A'.


☐ A is tri-stated.

☐ Bus error or system failure.

☒ A' is writing to A.

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Multiple Choice


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Which of the following is false about External Bus Interface?

- ☐ It can use serial transmission.
- ☐ It can use parallel transmission.
- ☒ It is faster than internal buses.
- ☐ All of the above.
- ☐ None of the above.

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Multiple Choice

1 point possible (graded, results hidden)

Which of the following is false for a Peripheral Device?

- ☐ It is often dependent on the host computer.
- ☒ It forms part of the core computer architecture.
- ☐ It increases the host computer's abilities.

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Multiple Choice

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Which statement is true?

☒ To disconnect a device from a two bit bus only read and write control should be disabled.

☐ Address line in Bus is Bidirectional

☐ Interface is only responsible for transmitting analog to digital signal

☐ Control Line in Bus is responsible for carrying binary data

☐ All of the mentioned

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Multiple Choice

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Which type of cable is used as an Ethernet port for long distances and without signal booster?

☐ Shielded.

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[End My Exam](#)0:11:00 ☐ Coaxial.[Submit](#)

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 Answer submitted.


Multiple Choice

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Two components A and B started driving the bus at the same time which caused a short circuit? It was because..

☐ A and B were reading from the bus at the same time.☐ A was reading and B was writing which caused the bus conflict☒ A and B were writing at the same time.[Submit](#)

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Multiple Choice

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The purpose of a hardware port is to provide:

☐ Security

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 Answer submitted.

Multiple Choice

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Which statement is true for a calibration circuit?

☐ A sensor output is the input of it.☐ It interfaces at low level devices.☐ The output of it is the input for a microcontroller.☐ It converts non-electrical signals to electrical signals for further processing by the Processing unit.☒ All of them mentioned above.[Submit](#)

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Multiple Choice

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☐ External Input Interface.☒ Both of them.☐ None of them.[Submit](#)

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