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## Quiz 1 Questions

### Multiple Choice

1 point possible (graded, results hidden)

Which of the following statements is true?



BIOS provides the initial instruction of loading operating system to RAM.



Software drivers cannot identify the peripheral components like keyboard, mouse, webcam, etc.



Things on the hard drive need to be located, read and sent to ROM before they can be processed.



The CPU can run the programs directly, which are stored in the computer's hard-drive / hard-disk.

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## Multiple Choice

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Which of the following statement is true:

 HDMI has a lower refresh rate. Low resolution and high interference in HDMI. HDMI cannot carry both audio and video signals in single cable wire. VGA doesn't need Digital to Analog and Analog to Digital Conversion. HDCP encryption facility in HDMI. HDMI has more data loss than VGA.[Submit](#)

You have used 1 of 1 attempt

Answer submitted.

## Multiple Choice

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Which of the following would be an example of high end input?

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Temperature sensor

Keyboard

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Answer submitted.

## Multiple Choice

1 point possible (graded, results hidden)

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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Suppose there are three components : CPU, Main Memory and a Monitor are connected. Now which of the following statements are true (If multiple, apply them all) :

- 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.

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Answer submitted.

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## Multiple Choice

1 point possible (graded, results hidden)

Suppose two I/O devices, D1 and D2 are communicating. They are connected to a data bus.

For D1, pin e1 is used to control read operation and f1 is used to control write operation.

Similarly for D2, e2 and f2 pins are being used to control read and write operations.

Now suppose the following values occurred at the same time:

D1 -> e1 =0 and f1 =1, D2-> e2 =0 and f2 = 1.

In this situation which of the following actions would occur?

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D2 will write to D1

D2 will read from D1

Bus Error/Conflict.

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## Multiple Choice

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Which mode of transmission is preferable for low frequency of data and long distance data transfer?

Parallel Transmission.

Serial Transmission.

Both of them.

None of them.

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Suppose you want to make a machine which should only do a specific task you mentioned. What would be the main component to perform your task?

Microprocessor

Micro-controller

Peripheral device

All of the mentioned

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Answer submitted.

## Multiple Choice

1 point possible (graded, results hidden)

Suppose you bought a gaming headphone with built in microphone for game streaming. What kind of device is it?:

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### Input/Output Device.

None.

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Answer submitted.

## 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 enable and f is used for write enable, also e and f are for A alongside e' and f' are for A'. Now if you want to disconnect A entirely from the system, what should you do?

e = 1, f = 0.

e = 1, f = 1.

e = 0, f = 0.

e' = 0, f' = 0.

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1 point possible (graded, results hidden)

Suppose two devices D and D' are communicating. They are connected with a two bit data bus. For D, e is used for control read operation and f is for write operation. Similarly for D' e' and f' is being used for reading and writing operation. What would be the condition if D wants to write data to D'?

e = 1, f = 0, e' = 0, f' = 1

e = 0, f = 1, e' = 1, f' = 0

e = 1, f = 1, e' = 1, f' = 0

Communication is not possible

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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..

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- A and B were writing at the same time.

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- i** Answer submitted.

## Multiple Choice

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What is the main issue that differentiate high level and low level devices?

- Processing ability.

- Application.

- Characteristics of I/O devices.

- Cost.

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- i** Answer submitted.

## Multiple Choice

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USB.

HDMI.

Firewire.

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Answer submitted.

## Multiple Choice

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~~Which of the following are the types of HDMI?~~

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