

Basic Computer Components

Due Feb 8 at 11:59pm**Points** 21**Questions** 17**Available** until Feb 10 at 11:59pm**Time Limit** None

This quiz was locked Feb 10 at 11:59pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	195 minutes	18 out of 21

Score for this quiz: **18** out of 21

Submitted Feb 7 at 7:23pm

This attempt took 195 minutes.

Question 1

5 / 5 pts

Select the 5 classic computer components from the given dropdown lists:

[Select]	[Select]
[Select]	[Select]
[Select]	

Answer 1:

Correct!

Control

Answer 2:

Correct!

Datapath

Answer 3:

Correct!

Memory

Answer 4:

Correct!

Input

Answer 5:

Correct!

Output

Question 2

1 / 1 pts

The Control Unit or Controlling Circuitry is a processor component i.e. it is inside of the CPU.

Correct!

☒ True☐ False**Question 3**

1 / 1 pts

The Datapath is not a processor component i.e. it is found outside of the CPU

Correct!

☐ True☒ False**Question 4**

1 / 1 pts

In a microprocessor based system, the bulk of RAM is not contained within the CPU

Correct!

☒ True☐ False**Question 5**

1 / 1 pts

Program Counter counts the number of instructions that have been executed

☐ True

Correct!

☒ False**Question 6**

1 / 1 pts

Instruction Pointer is another term which refers to the Program Counter

Correct!

☒ True☐ False**Question 7**

1 / 1 pts

The Program Counter is a special purpose register which is external to the CPU

Correct!

☐ True☒ False**Question 8**

0 / 1 pts

General Purpose Registers are accessible through high level language programming.

You Answered

☒ True

Correct Answer

☐ False**Question 9**

1 / 1 pts

Where in a computer do General Purpose Registers reside?

Correct!

☒ In the CPU datapath

- ☐ In the CPU's timing circuitry
- ☐ Outside of the CPU
- ☐ In the CPU's Arithmetic Logic Unit

Question 10**1 / 1 pts**

Which of the following are general purpose registers for Intel Processors?

Correct!

☒ ECX

Correct!

☒ EAX☐ CEX☐ DEX☐ EEX☐ BEX☐ AEX

Correct!

☒ EBX

Correct!

☒ EDX**Question 11****1 / 1 pts**

The ALU can perform operations like addition

Correct!

☒ True☐ False

Question 12**1 / 1 pts**

The ALU Can perform operations like load from RAM

☐ True☒ False

Correct!

Question 13**1 / 1 pts**

The ALU Can perform Logic Operations like Exclusive OR

☒ True☐ False

Correct!

Question 14**1 / 1 pts**

In the first stage of an intruction's processing (the instruction fetch [IF] stage) The instruction machine code is loaded into the processor.

☒ True☐ False

Correct!

Question 15**1 / 1 pts**

In the instruction decode stage of an instruction's processing, the instruction machine code is is not decoded by the processor's circuitry.

☒ True☐ False

Correct!

Question 16**0 / 1 pts**

Which of the following components could perform instruction decoding?

You Answered

☒ Arithmetic Logic Unit

Correct!

☒ Control Unit

You Answered

☒ Program Counter

You Answered

☒ Instruction Pointer☐ Register File

Correct Answer

☐ Microcode Interpreter**Question 17****0 / 1 pts**

The primary CPU component needed for the Execute stage of an instructions processing is:

Correct Answer

☐ The Arithmetic Logic Unit☐ The Instruction Pointer☐ The Control Unit

You Answered

☒ The Program CounterQuiz Score: **18** out of 21