

Short Quiz on Introduction on Microprocessors and Intel 8086

- Due Sep 1 at 2pm
- Points 120
- Questions 15
- Available Sep 1 at 1:30pm - Sep 1 at 2pm 30 minutes
- Time Limit 10 Minutes

Instructions

Let's see how much you have recalled on the Introduction to Microprocessors and Intel 8086.

Choose the correct answer.

This quiz was locked Sep 1 at 2pm.

Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	5 minutes	80 out of 120
<div>❗ Correct answers are hidden.</div>			
Score for this quiz: 80 out of 120			
Submitted Sep 1 at 1:40pm			
This attempt took 5 minutes.			
Incorrect			
⋮			
Question 1			
0 / 8 pts			
The Intel 8086 is a _____ microprocessor.			
<div><div><input type="radio"/></div>16-bit</div>			
<div><div><input type="radio"/></div>8-bit</div>			
<div><div><input checked="" type="radio"/></div>32-bit</div>			
<div><div><input type="radio"/></div>64-bit</div>			
Incorrect			
⋮			
Question 2			
0 / 8 pts			
Which of the following belongs to the fifth generation of microprocessors?			
<div><div><input checked="" type="checkbox"/></div> Zilog Z80</div>			

<input type="checkbox"/> AMD Ryzen 5
<input type="checkbox"/> Intel Core i5
<input checked="" type="checkbox"/> Intel 80486
⋮
Question 3
8 / 8 pts
Match the components of the microprocessor on the left to its description on the right.
Control Unit
<div>Fetches and executes the ins ▼</div>
Registers
<div>A data storage device availat ▼</div>
ALU
<div>Performs arithmetic and logic ▼</div>
⋮
Question 4
8 / 8 pts
Which of the following connects the different components of the microprocessor?
<input type="radio"/> Wire
<input checked="" type="radio"/> Bus
<input type="radio"/> Train
<input type="radio"/> Registers
⋮
Question 5
8 / 8 pts
True or False: The term "x86" was derived from the fact that it was developed in 1986.
<input type="radio"/> True
<input checked="" type="radio"/> False
⋮
Question 6
8 / 8 pts
A type of microprocessor designed to process the analog signals into a digital form.
<input type="radio"/> Graphics Processor
<input checked="" type="radio"/> Digital Signal Processor

☐ Analog to Digital Converter

☐ Symbolic Processors



Question 7

8 / 8 pts

Which of the following is the co-inventor of the Integrated Circuit?

☒ Robert Noyce

☐ John Bardeen

☐ William Sockley

☐ Steve Jobs



Question 8

8 / 8 pts

Which of the following is the correct order of the operation of the CPU?

☐ Decode-Fetch-Execute

☐ Execute-Decode-Fetch

☒ Fetch-Decode-Execute

☐ Fetch-Execute-Decode

Incorrect



Question 9

0 / 8 pts

True or False: The **von Neumann** architecture is the architecture where modern CPUs are based.

☐ True

☒ False

Incorrect



Question 10

0 / 8 pts

Which of the following CPU architecture requires more instructions to perform an operation?

☐ Reduced Instruction Set Computer

☒ Complex Instruction Set Computer



Question 11

8 / 8 pts

If the instruction requires to write data to the memory, what will the CPU do first?

☐ None of the choices.

☒ Puts the data on the bus.

- ☐ Fetch the next instruction.
- ☐ Reads the data from the bus.



Question 12

8 / 8 pts

The Intel 4004 is...

- ☐ The first microcontroller.
- ☐ The first graphics processor.
- ☒ The first microprocessor.
- ☐ The first integrated circuit.



Question 13

8 / 8 pts

Which architecture utilizes less transistors?

- ☒ Complex Instruction Set Computer
- ☐ Reduced Instruction Set Computer

Incorrect



Question 14

0 / 8 pts

A silicon chip which includes an ALU, register circuits and control circuits.

- ☒ Microcontroller
- ☐ Amplifier
- ☐ Microprocessor
- ☐ Integrated Circuit



Question 15

8 / 8 pts

In the basic bus system architecture to connection of the memory and I/O are bi-directional. Choose the best statement explaining why.

- ☐ Signal should flow in a bi-directional manner.
- ☒ CPU reads and writes data to memory and I/O.
- ☐ None of the choices.
- ☐ The CPU will send and receive control signals to the memory and I/O.

Quiz Score: 80 out of 120