

Short Quiz on Introduction on Microprocessors and Intel 8086

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- 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
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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	Attempt 1	5 minutes	80 out of 120

⚠ Correct answers are hidden.

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.

16-bit

8-bit

32-bit

64-bit

Incorrect

⋮

Question 2

0 / 8 pts

Which of the following belongs to the fifth generation of microprocessors?

Zilog Z80

AMD Ryzen 5

Intel Core i5

Intel 80486

⋮

Question 3

8 / 8 pts

Match the components of the microprocessor on the left to its description on the right.

Control Unit

Fetches and executes the instructions

Registers

A data storage device available

ALU

Performs arithmetic and logic operations

⋮

Question 4

8 / 8 pts

Which of the following connects the different components of the microprocessor?

Wire

Bus

Train

Registers

⋮

Question 5

8 / 8 pts

True or False: The term "x86" was derived from the fact that it was developed in 1986.

True

False

⋮

Question 6

8 / 8 pts

A type of microprocessor designed to process the analog signals into a digital form.

Graphics Processor

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