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Started on	Tuesday, 12 September 2023, 11:37 AM
State	Finished
Completed on	Tuesday, 12 September 2023, 11:41 AM
Time taken	3 mins 33 secs
Marks	12.00/12.00
Grade	10.00 out of 10.00 (100%)

Question 1

Correct Mark 1.00 out of 1.00

What is computer architecture?

Select one:

- ☐ a. set of categories and methods that specify the functioning, organization, and implementation of computer systems
- ☒ b. set of principles and methods that specify the functioning, organization, and implementation of computer systems ✓
- ☐ c. set of functions and methods that specify the functioning, organization, and implementation of computer systems
- ☐ d. None of the mentioned

Your answer is correct.

The correct answer is: set of principles and methods that specify the functioning, organization, and implementation of computer systems

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct Mark 1.00 out of 1.00

Which of the following is a type of computer architecture?

Select one:

- ☐ a. Instruction Set Architecture
- ☐ b. Harvard Architecture
- ☐ c. Von-Neumann Architecture
- ☒ d. All of the mentioned ✓

Your answer is correct.

The correct answer is: All of the mentioned

Correct

Marks for this submission: 1.00/1.00.

Question 3

Correct Mark 1.00 out of 1.00

Which of the following is a type of architecture used in the computers nowadays?

Select one:

- ☐ a. Microarchitecture
- ☐ b. Harvard Architecture
- ☒ c. Von-Neumann Architecture ✓
- ☐ d. System Design

Your answer is correct.

The correct answer is: Von-Neumann Architecture

Correct

Marks for this submission: 1.00/1.00.

Question 4

Correct Mark 1.00 out of 1.00

The Von-Neuman Architecture is based on which concept

Select one:

- ☐ a. Data and instructions are stored in a single read write memory
- ☐ b. The contents of this memory are addressable by location
- ☐ c. Execution occurs in a sequential fashion
- ☒ d. All of the above ✓

Your answer is correct.

The correct answer is: All of the above

Correct

Marks for this submission: 1.00/1.00.

Question 5

Correct Mark 1.00 out of 1.00

The basic function performed by a computer is execution of a program,

Select one:

- ☒ True ✓
☐ False

The correct answer is 'True'.

Correct

Marks for this submission: 1.00/1.00.

Question 6

Correct Mark 1.00 out of 1.00

CPU has built-in ability to execute a particular set of machine instructions, called as

Select one:

- ☒ a. Instruction Set ✓
☐ b. Registers
☐ c. Sequence Set
☐ d. User instructions

Your answer is correct.

The correct answer is: Instruction Set

Correct

Marks for this submission: 1.00/1.00.

Question 7

Correct Mark 1.00 out of 1.00

what operation is implied by Opcode no. 1

Select one:

- ☒ a. an instruction that tells the computer what function to perform ✓
- ☐ b. which indicates the computer system where to find the data
- ☐ c. both a) and b)
- ☐ d. none of above

Your answer is correct.

The correct answer is: an instruction that tells the computer what function to perform

Correct

Marks for this submission: 1.00/1.00.

Question 8

Correct Mark 1.00 out of 1.00

Before performing arithmetic and logical operations by ALU, data must first transfer from primary memory to

Select one:

- ☐ a. read-only memory
- ☒ b. ALU register ✓
- ☐ c. control unit
- ☐ d. secondary memory

Your answer is correct.

The correct answer is: ALU register

Correct

Marks for this submission: 1.00/1.00.

Question 9

Correct Mark 1.00 out of 1.00

While CPU is executing a program, an interrupt exists then it

Select one:

- ☐ a. follows the next instruction in the program
- ☐ b. jumps to instruction in other registers
- ☒ c. breaks the normal sequence of execution of instructions ✓
- ☐ d. stops executing the program

Your answer is correct.

The correct answer is: breaks the normal sequence of execution of instructions

Correct

Marks for this submission: 1.00/1.00.

Question 10

Correct Mark 1.00 out of 1.00

Which cycle refers to the time period during which one instruction is fetched and executed by the CPU,

Select one:

- ☐ a. Fetch cycle
- ☒ b. Instruction cycle ✓
- ☐ c. Decode cycle
- ☐ d. Execute cycle

Your answer is correct.

The correct answer is: Instruction cycle

Correct

Marks for this submission: 1.00/1.00.

Question 11

Correct Mark 1.00 out of 1.00

_____ is an external hardware event which causes the CPU to interrupt the current instruction sequence,

Select one:

- ☐ a. Bios interrupt
- ☐ b. Device interrupt
- ☒ c. Input interrupt and Output interrupt ✓
- ☐ d. None of these

Your answer is correct.

The correct answer is: Input interrupt and Output interrupt

Correct

Marks for this submission: 1.00/1.00.

Question 12

Correct Mark 1.00 out of 1.00

The Programmable interrupt controller is required to

Select one:

- ☐ a. handle one interrupt request
- ☒ b. handle one or more interrupt requests at a time ✓
- ☐ c. handle one or more interrupt requests with a delay
- ☐ d. handle no interrupt request

Your answer is correct.

The correct answer is: handle one or more interrupt requests at a time

Correct

Marks for this submission: 1.00/1.00.

◀ Introduction

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