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Time taken 1 min 53 secs

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

What is the binary version of a program?

- ☐ a. Source code written in human-readable form
- ☐ b. Representation of program in assembly language
- ☒ c. Program expressed in 0s and 1s ✓
- ☐ d. Executable program file

Question 2

Correct

Mark 1.00 out of 1.00

Which type of language represents the machine code instructions using human-readable mnemonics?

- ☐ a. High-level language
- ☒ b. Assembly language ✓
- ☐ c. Low-level language
- ☐ d. Machine language

Question 3

Correct

Mark 1.00 out of 1.00

Which component of the CPU is responsible for executing arithmetic and logic operations?

- ☐ a. Control Unit
- ☒ b. Arithmetic Logic Unit (ALU) ✓
- ☐ c. Registers
- ☐ d. Cache

Your answer is correct.

Question 4

Correct

Mark 1.00 out of 1.00

Machine language instructions are written in:

- ☒ a. Binary code ✓
- ☐ b. Assembly language
- ☐ c. High-level programming language
- ☐ d. Octal code

Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

What is the role of the control unit in a CPU?

- ☐ a. Arithmetic calculations
- ☐ b. Data storage
- ☒ c. Instruction interpretation and execution ✓
- ☐ d. External device communication

Question 6

Correct

Mark 1.00 out of 1.00

The Z80 microprocessor is known for its use in which type of electronic devices?

- ☐ a. Personal Computers (PCs)
- ☐ b. Mobile Phones
- ☒ c. Embedded systems ✓
- ☐ d. Supercomputers

Your answer is correct.

Question 7

Correct

Mark 1.00 out of 1.00

What does computer architecture primarily focus on?

- ☐ a. Software development
- ☐ b. Hardware manufacturing
- ☒ c. Designing computer systems ✓
- ☐ d. Internet connectivity

Question 8

Correct

Mark 1.00 out of 1.00

Which level of programming language is directly understood by computer hardware?

- ☐ a. High-level language
- ☐ b. Assembly language
- ☒ c. Machine language ✓
- ☐ d. Source code

Question 9

Correct

Mark 1.00 out of 1.00

Which term refers to a signal that temporarily stops the execution of a program and directs the CPU's attention to another task?

- ☐ a. Clock signal
- ☒ b. Interrupt ✓
- ☐ c. Operand
- ☐ d. Opcode

Question 10

Correct

Mark 1.00 out of 1.00

What is the primary purpose of computer architecture?

- ☐ a. To define the physical layout of a computer
- ☐ b. To design software applications
- ☒ c. To specify the interface between the hardware and software ✓
- ☐ d. To optimize computer performance

Your answer is correct.

