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Time taken 3 mins 12 secs

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Which memory type offers the largest storage capacity?

- ☐ a. Cache memory
- ☐ b. RAM
- ☐ c. Optical disk
- ☒ d. Magnetic disk ✓

Question 2

Correct

Mark 1.00 out of 1.00

Which memory type is commonly used for long-term storage of user files, applications, and the operating system?

- ☐ a. Cache memory
- ☐ b. RAM
- ☒ c. Secondary memory ✓
- ☐ d. Virtual memory

Question 3

Correct

Mark 1.00 out of 1.00

In a PLD (Programmable Logic Device), what can you configure to implement desired logic functions?

- ☒ a. Interconnects and logic gates ✓
- ☐ b. Memory cells and transistors
- ☐ c. Input and output ports
- ☐ d. Clock circuits

Your answer is correct.

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following is a characteristic of cache memory in a memory hierarchy?

- ☐ a. Larger capacity than main memory
- ☐ b. Slower access time than main memory
- ☒ c. Smaller capacity than main memory ✓
- ☐ d. Used for long-term storage

Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

Which memory type is used to supplement the shortage of RAM by creating an "overflow" storage area?

- ☐ a. Cache memory
- ☒ b. Virtual memory ✓
- ☐ c. Flash memory
- ☐ d. ROM

Question 6

Correct

Mark 1.00 out of 1.00

Which type of memory is used to store the computer's boot-up instructions?

- ☒ a. ROM (Read-Only Memory) ✓
- ☐ b. RAM (Random-Access Memory)
- ☐ c. Cache memory
- ☐ d. Flash memory

Your answer is correct.

Question 7

Correct

Mark 1.00 out of 1.00

..... type of memory is commonly used to store a computer's initial startup instructions.

- ☐ a. Cache memory
- ☐ b. RAM
- ☒ c. ROM ✓
- ☐ d. Virtual memory

Question 8

Correct

Mark 1.00 out of 1.00

Which of the following is a characteristic of ROM (Read-Only Memory)?

- ☐ a. Data can be written multiple times
- ☒ b. Data is non-volatile ✓
- ☐ c. Data can be written and erased as needed
- ☐ d. Data access is faster than RAM

Your answer is correct.

Question 9

Correct

Mark 1.00 out of 1.00

Cache memory is used to store frequently accessed instructions and data directly accessible by the CPU.

- ☒ a. True ✓
- ☐ b. False

Question 10

Correct

Mark 1.00 out of 1.00

Which type of memory is often used as a bridge between the CPU and main memory, providing faster access?

- ☒ a. Cache memory ✓
- ☐ b. Secondary memory
- ☐ c. Flash memory
- ☐ d. Virtual memory

