

# Quiz 1

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## Question 1

Name 2 operating systems that are used in mobile phones.

- . Android
- . iOS

## Question 2

Explain the difference between volatile and non-volatile memory.

- . Volatile memory is a type of memory that loses its content when the power is turned off, while non-volatile memory is a type of memory that retains its content when the power is turned off.

## Question 3

True or False: Secondary memory is more expensive than primary memory.

- . False

## Question 4

True or False: A computer system cannot run without secondary memory.

- . False

## Question 5

Complete the sentence: In digital transfer, hardware can be only

- . Physically transferred.

## Question 6

Advantages of cache memory are:

- . It is faster than the main memory. When compared to the main memory, it takes less time to access it. It keeps the programs that can be run in a short amount of time, and it stores data for temporary use.

## Question 7

True or False: Case cooling uses an air cooling system to remove heat from inside the case of the system.

- . True

## Question 8

True or False: Between the CPU and the main memory, cache memory serves as a buffer.

- . True

## Question 9

Disadvantages of cache memory are:

- . It is very expensive because of the semiconductors used in it.

## Question 10

True or False: Hardware can be seen and touched.

- . True

## Question 11

True or False: A computer is an electrical device used to process and store data for further use. It can save information, retrieve it, and process it.

- . True

## Question 12

For the CPU to access data from the auxiliary memory, it should:

- . Be transferred to the main memory.

### Question 13

How to erase data in EPROM?

- . By exposing it to ultraviolet light.

### Question 14

With expansion cards, you can make your computer:

- . More powerful, add more memory, add more ports.

### Question 15

(Question 15 is empty)

### Question 16

True or False: A CPU cannot access secondary memory directly.

- . True

### Question 17

True or False: One disadvantage of liquid cooling is that it doesn't make any noise and is very quiet.

- . False

### Question 18

True or False: The storage capacity of secondary memory is small.

- . False

### Question 19

True or False: In replacement, if software got damaged, it can be reinstalled.

- . True

### Question 20

Pros of MAC are:

- . Stability and reliability.

## Question 21

Secondary memory is:

- . Auxiliary memory and backup memory and non-volatile memory.

## Question 22

How many 128x8 memory chips are required to provide a memory capacity of 4096x16?

- . 64

## Question 23

True or False: Hardware consists of a set of instructions to be executed by the CPU to perform the intended task.

- . False

## Question 24

True or False: Input Devices, Output Devices, Storage Devices, Internal components of the CPU, and the motherboard are categorized under software.

- . False

## Question 25

True or False: Cache Memory is used to store the data and programs that the CPU uses most frequently.

- . True

## Question 26

Name the advantages of cache memory.

- . It is faster than the main memory. When compared to the main memory, it takes less time to access. It keeps the programs that can be run in a short amount of time, and it stores data for temporary use.

## Question 27

Why do computers use cooling systems?

- . To prevent overheating.

## Question 28

What is computer memory?

- . It is the same as memory in a human brain. It is used to store data and instructions.