

TEST - Hardware components

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I. Determine the truth value of each of the following statements:

(for each statement you will specify T or F on the left)

- 1) The floppy disk drive is an input-output peripheral.
- 2) The monitor is a peripheral input device.
- 3) The mouse is a peripheral input device.
- 4) The smallest addressable unit of memory capacity is the byte.
- 5) ROM has the property of being volatile.
- 6) The processor components are connected to the internal bus.
- 7) Connecting the PC to a local network is done through the modem.
- 8) The hard disk is an external memory device.

II. Choose the letter corresponding to the correct answer for each item.

1. *The processor fulfills the following functions:

- a) memory and control
- b) processing and command and control
- c) input-output
- d) it does not perform any function

2. *2 Gb =

- a) 1024 Mb
- b) 2024 Kb
- c) 2048 Mb
- d) 2^{11} Kb

3. The scanner is a device for:

- a) input
- b) input-output
- c) output
- d) storage and input

4. The BIOS is part of:

- a) RAM memory
- b) ROM memory
- c) external memory
- d) hard disk drive

5. Access time is a characteristic of:

- a) Scanner
- b) Memory
- c) Peripheral devices
- d) Processor

6. *Which of the following represents a long-term data storage device?

- a) RAM memory
- b) ROM memory
- c) Hard disk
- d) Printer

7. * Specify which of the following components represents a peripheral device of a computer:

- a) Microprocessor
- b) External disk
- c) RAM memory
- d) Scanner

8. The resolution of a CRT monitor is measured in:

- a) Centimeters
- b) Pixels
- c) Inches
- d) Gigabytes

9. Which of the following devices allows the computer to transmit data over telephone lines?

- a) light pen
- b) video card
- c) modem
- d) Trackball

10. *The minimum configuration of peripheral devices of a computer may lack:

- a) keyboard
- b) microphone
- c) monitor
- d) scanner

III. Which of the following characteristics are specific to RAM or ROM?

(fill in the letters that correspond to the characteristics of each type of memory in the box on the left)

ROM memory (Read Only Memory)	a) is generally used to store the BIOS (Basic Input Output System) of a PC b) it is a memory that contains information (usually programs) that cannot be modified during the use of the computer
RAM memory (Random Access Memory)	c) it is written only once, usually when the computer is manufactured. This type of memory cannot be rewritten or deleted d) it is a volatile memory, which causes the information contained here to be lost when the computer is disconnected from power e) it is useful for temporary data processing, it loads the operating system and application programs.

IV. Associate each element in column A with the corresponding meaning in column B:

A

- a) copyright
- b) license
- c) freeware

B

- 1) free software
- 2) the right to publish or sell a program
- 3) buying the right to use a program

A

- a) processor
- b) keyboard
- c) diskette
- d) mouse

B

- 1) input peripheral
- 2) data storage device
- 3) peripheral for locating and selecting
- 4) the component that ensures the execution of commands