**Test 2: Inside the Computer**

**Part 1: Multiple Choice**

1. What is the term used to describe the number of cycles per second in a computer's clock?

a) Bus speed

b) Clock speed

c) Binary code

1. RAM (random access memory) is considered \_\_\_\_\_\_\_\_\_\_ memory because its data is lost when the computer is turned off.

a) Non-volatile

b) Volatile

c) Permanent

1. What part of the computer is responsible for measuring and synchronizing the flow of data?

a) Unit of frequency

b) Motherboard

c) Bus

1. A sound card and a memory card are examples of \_\_\_\_\_\_\_\_\_\_.

a) Integrated circuits

b) Expansion slots

c) Expansion cards

1. Which of the following is a type of circuit board that holds the computer’s key components?

a) RAM

b) Bus

c) Motherboard

**Part 2: Fill in the Blank (**Complete the sentences with the correct word or phrase from the list below).

[List: **power and performance, binary code, mathematical calculations, storage capacity, technical specifications]**

1. Computers use \_\_\_**binary code**\_\_\_\_\_\_\_, consisting of 0s and 1s, to process information.
2. The \_\_**power and performance**\_\_\_\_\_\_\_\_ of a computer often determines how fast it can run programs and handle applications.
3. When buying a computer, you should consider its \_**technical specifications**\_\_\_\_\_\_\_\_\_, which include details like RAM capacity and clock speed.
4. The CPU is responsible for performing \_\_\_**mathematical calculations**\_\_\_\_\_\_\_, such as addition, subtraction, multiplication, and division.
5. Hard drives and SSDs are examples of components that provide \_\_\_**storage capacity**\_\_\_\_\_\_\_ for a computer's data.

**Part 3: True or False (**Mark the following statements as True or False).

1. RAM capacity refers to the amount of data that can be stored on the computer's permanent memory. F
2. Integrated circuits are also known as microchips, and they contain many small components to help run the computer. T
3. Expansion slots on the motherboard allow for additional hardware like sound cards or memory cards to be added. T
4. A bus is a system within the computer that transports electrical current from the power supply to all the components.F
5. Volatile memory loses its data when the power is turned off, while non-volatile memory retains its data.T