Chapter 1 Series

Exercise 1 — Complete the sentences

➢ Complete using: processor, RAM, keyboard, screen, storage.

1. The _____ executes instructions.
2. The _____ temporarily stores the data being used.
3. The _____ is used to enter text.
4. The _____ displays information.
5. An SSD is a _____ device.

Exercise 2 — Multiple-choice questions

1. Which component performs calculations? a) RAM; b) ALU; c) screen.
2. Which component keeps data after the computer is switched off? a) RAM; b) register; c) SSD/HDD.
3. A mouse is: a) an input device; b) an output device; c) a memory device.
4. The processor is installed on: a) the hard drive; b) the motherboard; c) the screen.
5. RAM is: a) volatile memory; b) permanent memory; c) external memory only.

Exercise 3 — Classify the components

➢ Classify the following items into Input, Output, Processing, and Memory/Storage: keyboard, RAM, screen, processor, SSD, printer, mouse, ROM, speaker.

Exercise 4 — True or false

1. The processor is often described as the brain of the computer.
2. RAM keeps its data when the power is off.
3. The screen is an output device.
4. An SSD stores files.
5. The motherboard connects the different components.
6. The keyboard performs arithmetic operations.

Exercise 5 — Match each component to its function

1. Match: 1) ALU; 2) Control Unit; 3) RAM; 4) Register; 5) SSD.
2. Functions: A) temporary storage; B) performs calculations; C) controls operations; D) quickly stores a value inside the CPU; E) permanent storage.

Exercise 6 — Comprehension questions

1. What is the difference between RAM and ROM?
2. What is the difference between the processor and the motherboard?
3. What is the role of the Control Unit?
4. Why does a computer need memory?
5. Why is RAM described as volatile?

Exercise 7 — Practical situation

1. A user starts a computer, opens a word processor, types some text and saves the document. Which component is used to type the text?
2. Which component processes the software instructions?
3. Where are the software and data temporarily loaded?
4. Where is the document stored after it is saved?
5. Which component displays the text?

Exercise 8 — Processor components

1. What does CPU stand for?
2. What does ALU stand for?
3. What is the role of registers?
4. What is the role of the Control Unit?
5. What is the relationship between the ALU and the Control Unit?
6. Name three registers that may be found in a processor and explain their roles.