

Quizzes: Chapter 01

1. The _____ model is the basis for today's computers.

- a. Leibnitz
- b. von Neumann
- c. Pascal
- d. Charles Babbage

Correct Answer: (b)

2. In a computer, the _____ subsystem stores data and programs.

- a. ALU
- b. input/output
- c. memory
- d. control unit

Correct Answer: (c)

3. In a computer, the _____ subsystem performs calculations and logical operations.

- a. ALU
- b. input/output
- c. memory
- d. control unit

Correct Answer: (a)

4. In a computer, the _____ subsystem accepts data and programs and sends processing results to output devices.

- a. ALU
- b. input/output
- c. memory

d. control unit

Correct Answer (b)

5. In a computer, the _____ subsystem serves as a manager of the other subsystems.

a. ALU

b. input/output

c. memory

d. control unit

Correct Answer (d)

6. According to the von Neumann model, _____ are stored in memory.

a. only data

b. only programs

c. data and programs

d. neither data nor programs

Correct Answer (c)

7. A step-by-step solution to a problem is called _____.

a. hardware

b. an operating system

c. a computer language

d. an algorithm

Correct Answer (d)

8. FORTRAN and COBOL are examples of _____.

a. hardware

b. operating systems

c. computer languages

d. algorithms

Correct Answer (c)

9. A 17th-century computing machine that could perform addition and subtraction was the _____.

a. Pascaline

- b.** Jacquard loom
 - c.** Analytical Engine
 - d.** Babbage machine
- Correct Answer (a)**

- 10.** _____ is a set of instructions in a computer language that tells the computer what to do with data.
- a.** An operating system
 - b.** An algorithm
 - c.** A data processor
 - d.** A program
- Correct Answer (d)**

- 11.** _____ is the design and writing of a program in structured form.
- a.** Software engineering
 - b.** Hardware engineering
 - c.** Algorithm development
 - d.** Instructional architecture
- Correct Answer (a)**

- 12.** The first electronic special-purpose computer was called _____.
- a.** Pascal
 - b.** Pascaline
 - c.** ABC
 - d.** ENIAC
- Correct Answer (c)**

- 13.** One of the first computers based on the von Neumann model was called _____.
- a.** Pascal
 - b.** Pascaline
 - c.** ABC
 - d.** EDVAC
- Correct Answer (d)**

14. The first computing machine to use the idea of storage and programming was called _____.

- a. the Madeline
- b. EDVAC
- c. the Babbage machine
- d. the Jacquard loom

Correct Answer (d)

15. _____ separated the programming task from computer operation tasks.

- a. Algorithms
- b. Data processors
- c. High-level programming languages
- d. Operating systems

Correct Answer (c)