

Quizzes: Chapter 08

1. _____ is a step-by-step method for solving a problem or doing a task.

- a. A construct
- b. A recursion
- c. An iteration
- d. An algorithm

Correct Answer: (d)

2. There are _____ basic constructs in computer -science.

- a. one
- b. two
- c. three
- d. four

Correct Answer: (c)

3. The _____ construct tests a condition.

- a. sequence
- b. decision
- c. repetition
- d. flow

Correct Answer: (b)

4. The _____ construct uses a set of actions one after another.

- a. sequence
- b. decision
- c. repetition
- d. flow

Correct Answer: (a)

5. The _____ construct handles repeated actions.

- a. sequence
- b. decision
- c. repetition
- d. flow

Correct Answer: (c)

6. _____ is a pictorial representation of an algorithm.

- a. A UML diagram
- b. A program
- c. Pseudocode
- d. An algorithm

Correct Answer: (a)

7. _____ is an English-language-like representation of code.

- a. A UML diagram
- b. A program
- c. Pseudocode
- d. An algorithm

Correct Answer: (c)

8. _____ is a basic algorithm that adds a list of numbers.

- a. Summation
- b. Product
- c. Smallest
- d. Largest

Correct Answer: (a)

9. _____ is a basic algorithm that multiplies a list of numbers.

- a. Summation
- b. Product
- c. Smallest
- d. Largest

Correct Answer: (b)

10. _____ is a basic algorithm that arranges data according to its value.

- a. Inquiry
- b. Sorting
- c. Searching
- d. Recursion

Correct Answer: (b)

11. The items are divided into two lists (sorted and unsorted) _____ sort.

- a. only in a selection
- b. only in a bubble
- c. only in an insertion
- d. in selection, bubble, or insertion

Correct Answer: (d)

12. In _____ sort, the item that goes into the sorted list is always the first item in the unsorted list.

- a. selection
- b. bubble
- c. insertion
- d. every

Correct Answer: (c)

13. In _____ sort, the smallest item from the unsorted list is swapped with the item at the beginning of the unsorted list.

- a. selection
- b. bubble
- c. insertion
- d. every

Correct Answer: (a)

14. In _____ sort, the smallest item moves to the beginning of the unsorted list. There is no one-to-one swapping.

- a. selection
- b. bubble
- c. insertion

d. every

Correct Answer: (b)

15. _____ is a basic algorithm in which we want to find the location of a target in a list of items.

a. Sorting

b. Searching

c. Product

d. Summation

Correct Answer: (b)

16. We use a _____ search for an unordered list.

a. sequential

b. binary

c. bubble

d. insertion

Correct Answer: (a)

17. We use a _____ search for an ordered list.

a. sequential

b. binary

c. bubble

d. insertion

Correct Answer: (b)

18. _____ is a process in which an algorithm calls itself.

a. Insertion

b. Searching

c. Recursion

d. Iteration

Correct Answer: (c)

