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1. How many bits form a byte?

Options:

- a) 2
- b) 4
- c) 6
- d) 8

Correct option: d) 8

2. Which of the following code segment represents a left shift operator?

Options:

- a) result = number >> 1;
- b) result = number << 1;
- c) cout << 1;
- d) cin >> number;

Correct option: b) result = number << 1;

3. The dynamic memory allocation uses _____ whereas static memory allocation uses _____.

Options:

- a) array, stack

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b) classes, array

c) stack, lists

d) heap, stack

Correct option: d) heap, stack

4. In _____, we have different data members and all of these have their own memory space.

Options:

a) union

b) construct

c) structures

d) None of the given

Correct option: a) union

5. With the use of dynamic allocation of memory, the system resources can be _____.

Options:

a) all of the given options

b) used efficiently

c) used carelessly

d) wasted

Correct option: b) used efficiently

6. Initializing the data member within the class is _____.

Options:

a) a syntax error

b) not an error

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- c) a logical error
- d) a runtime error

Correct option: b) not an error

7. "a = a | b;" can be written as _____.

Options:

- a) a = | b;
- b) a == b;
- c) a = b;
- d) a |= b;

Correct option: d) a |= b;

8. We should not use variable names that start with _____ because in C++, there are lots of internal constants and symbolic names that start with it.

Options:

- a) none of the given options
- b) upper case alphabets
- c) double underscore
- d) lower case alphabets

Correct option: c) double underscore

9. The original value remains unchanged in _____.

Options:

- a) Call by value
- b) Dynamic Variables

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c) Call by reference

d) Pointers

Correct option: a) Call by value

10. The memory allocation functions return a chunk of memory with a pointer of type _____.

Options:

a) ptr

b) void

c) integer

d) float

Correct option: b) void

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