

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) A C++ character constant (character literal) is enclosed in _____ quotation marks, whereas a string constant (string literal) is enclosed in _____ quotation marks. 1) _____

A) open, closed
B) triple, double
C) double, single
D) no, some
E) single, double

Answer: E

Explanation: A)
B)
C)
D)
E)

- 2) What value will be assigned to the variable number by the following statement? 2) _____
`int number = 7.8;`

A) 7
B) 7.8
C) 8
D) None of the above.
E) It's unpredictable. That's the problem.

Answer: A

Explanation: A)
B)
C)
D)
E)

- 3) C++ automatically places _____ at the end of a string constant (string literal). 3) _____

A) quotation marks
B) a semicolon
C) a newline escape sequence
D) a blank
E) the null terminator

Answer: E

Explanation: A)
B)
C)
D)
E)

4) Which of the following is/are valid C++ identifiers?

4) _____

- A) June . 2010
- B) June - 2010
- C) June_2010
- D) 2010June
- E) Both C and D are valid identifiers, but A and B are not.

Answer: C

Explanation: A)
 B)
 C)
 D)
 E)

5) The expression $7 \% 2$ evaluates to

5) _____

- A) 1
- B) 3.5
- C) 7.2
- D) 14
- E) 3

Answer: A

Explanation: A)
 B)
 C)
 D)
 E)

6) _____ data types are used to define variables that can hold real numbers.

6) _____

- A) Floating-point
- B) Real
- C) String
- D) Integer
- E) Long

Answer: A

Explanation: A)
 B)
 C)
 D)
 E)

7) Which of the following keywords is/are the names of C++ data types?

7) _____

- A) double
- B) long
- C) short
- D) bool
- E) All of the above

Answer: E

Explanation: A)
 B)
 C)
 D)
 E)

8) What literal(s) appear in the following C++ statement?

8) _____

```
int number = 4 + 8;
```

- A) 12
- B) 4
- C) 8
- D) number
- E) both B and C

Answer: E

Explanation: A)
B)
C)
D)
E)

9) #include <iostream> is an example of a(n)

9) _____

- A) comment.
- B) compiler option.
- C) preprocessor directive.
- D) I/O statement.
- E) stream directive.

Answer: C

Explanation: A)
B)
C)
D)
E)

10) A _____ variable can hold only one of two values: true or false.

10) _____

- A) single precision
- B) T/F
- C) binary
- D) bool
- E) char

Answer: D

Explanation: A)
B)
C)
D)
E)

11) Every C++ program must have

11) _____

- A) variables.
- B) literals.
- C) comments.
- D) a function called main..
- E) all of the above.

Answer: D

Explanation: A)
B)
C)
D)
E)

- 12) In programming terms, a group of characters inside a set of double quotation marks (" ") is called 12) _____
- A) a character literal.
 - B) a string constant.
 - C) a string literal.
 - D) all of the above.
 - E) either B or C, but not A.

Answer: E

Explanation: A)
B)
C)
D)
E)

- 13) Which of the following will cause the next output to begin on a new line? 13) _____
- A) `cout << "\n";`
 - B) `cout << "endl";`
 - C) `cout << endl;`
 - D) all of the above
 - E) A and C, but not B

Answer: C

Explanation: A)
B)
C)
D)
E)

- 14) A _____ is used to mark the end of a complete C++ programming statement. 14) _____
- A) closing brace
 - B) new line
 - C) period
 - D) semicolon
 - E) comment

Answer: D

Explanation: A)
B)
C)
D)
E)

- 15) The _____ is used to display information on the computer's screen. 15) _____
- A) output object
 - B) `cout` object
 - C) `<` symbol
 - D) `print` object
 - E) `cin` object

Answer: B

Explanation: A)
B)
C)
D)
E)

16) Which of the following will cause the next output to begin on a new line?

16) _____

- A) `cout << endl;`
- B) `cout << "endl";`
- C) `cout << "\n";`
- D) all of the above
- E) A and C, but not B

Answer: A

Explanation: A)
B)
C)
D)
E)

17) The numeric data types in C++ are broken into two categories:

17) _____

- A) integer and floating-point.
- B) long and short.
- C) real and unreal.
- D) numbers and characters.
- E) singles and doubles.

Answer: A

Explanation: A)
B)
C)
D)
E)

18) The expression `5 / 2` evaluates to

18) _____

- A) 1
- B) 2
- C) 2.5
- D) 5.2
- E) 10

Answer: B

Explanation: A)
B)
C)
D)
E)

19) A variable must be defined

19) _____

- A) and initialized at the same time.
- B) in every program.
- C) in order to perform output.
- D) before it can be used.
- E) in all of the above cases.

Answer: D

Explanation: A)
B)
C)
D)
E)

20) What value will be assigned to the variable number by the following statement?

20) _____

```
int number = 3.75;
```

- A) 4
- B) 3
- C) 3.75
- D) None of the above.
- E) It's unpredictable. That's the problem.

Answer: B

Explanation: A)
B)
C)
D)
E)

21) _____ must be included in a program in order to use the cout object.

21) _____

- A) Strings
- B) A cout declaration
- C) Opening and closing braces
- D) The iostream header file
- E) None of the above

Answer: D

Explanation: A)
B)
C)
D)
E)

22) The expression `5 % 2` evaluates to

22) _____

- A) 1
- B) 2
- C) 2.5
- D) 5.2
- E) 10

Answer: A

Explanation: A)
B)
C)
D)
E)

23) In a C++ program, two slash marks (`//`) indicate the beginning of

23) _____

- A) a program.
- B) a comment.
- C) a variable definition.
- D) a block of code.
- E) none of the above.

Answer: B

Explanation: A)
B)
C)
D)
E)

24) _____ are data items whose values cannot change while the program is running.

24) _____

- A) Literals
- B) Variables
- C) Integers
- D) Fixed data
- E) None of the above

Answer: A

Explanation: A)
B)
C)
D)
E)

25) The bool data type

25) _____

- A) has only two values: true and false.
- B) can be used to store a single character.
- C) is used to store extra large numbers.
- D) is used to represent numbers in E notation.
- E) does none of the above.

Answer: A

Explanation: A)
B)
C)
D)
E)

26) An operation that copies a value into a variable is called a(n) _____ operation.

26) _____

- A) copy
- B) cout
- C) assignment
- D) equals
- E) declaration

Answer: C

Explanation: A)
B)
C)
D)
E)

27) The _____ directive causes the contents of another file to be inserted into a program.

27) _____

- A) #getfile
- B) #insert
- C) #library
- D) #include
- E) none of the above

Answer: D

Explanation: A)
B)
C)
D)
E)

28) Which of the following is/are valid C++ identifiers?

28) _____

- A) department_9
- B) aVeryLongVariableName
- C) last - name
- D) All of the above are valid identifiers.
- E) Both A and B are valid identifiers, but C is not.

Answer: E

Explanation: A)
B)
C)
D)
E)

29) You must have a(n) _____ for every variable you include in a program.

29) _____

- A) numeric value
- B) output statement
- C) comment
- D) purpose
- E) definition

Answer: E

Explanation: A)
B)
C)
D)
E)

30) The expression $7 / 2$ evaluates to

30) _____

- A) 7.2
- B) 14
- C) 1
- D) 3.5
- E) 3

Answer: E

Explanation: A)
B)
C)
D)
E)

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

31) True/False: The following two statements both assign the value 5 to the variable dept.

31) _____

```
5 = dept;  
dept = 5;
```

Answer: True ☒ False

Explanation:

32) True/False: Variables represent storage locations in the computer's memory.

32) _____

Answer: ☒ True ☐ False

Explanation:

33) True/False: C++ is a case-sensitive language.

33) _____

Answer: ☒ True ☐ False

Explanation:

- 34) True/False: The following is a legal C++ statement to define and initialize a variable. 34) _____
`char firstName = "Jack";`
Answer: True ☒ False
Explanation:
- 35) True/False: An escape sequence must start with a forward slash (/). 35) _____
Answer: True ☒ False
Explanation:
- 36) True/False: The following two C++ statements perform the same operation. 36) _____
`regWages = regPay + overTime;`
`regPay + overTime = regWages;`
Answer: True ☒ False
Explanation:
- 37) True/False: The following two statements could be used interchangeably in a C++ program. 37) _____
`// Program Payroll`
`/* Program Payroll */`
Answer: ☒ True ☐ False
Explanation:
- 38) True/False: If number has been defined as an `int` variable, both of the following statements will print out its value: 38) _____
`cout << number;`
`cout << "number";`
Answer: True ☒ False
Explanation:
- 39) True/False: A variable of the `char` data type can hold a set of characters like "January". 39) _____
Answer: True ☒ False
Explanation:
- 40) True/False: The following statements both declare the variable `num` to be an integer. 40) _____
`int num;`
`INT num;`
Answer: True ☒ False
Explanation:

Answer Key
Testname: C2

- 1) E
- 2) A
- 3) E
- 4) C
- 5) A
- 6) A
- 7) E
- 8) E
- 9) C
- 10) D
- 11) D
- 12) E
- 13) C
- 14) D
- 15) B
- 16) A
- 17) A
- 18) B
- 19) D
- 20) B
- 21) D
- 22) A
- 23) B
- 24) A
- 25) A
- 26) C
- 27) D
- 28) E
- 29) E
- 30) E
- 31) FALSE
- 32) TRUE
- 33) TRUE
- 34) FALSE
- 35) FALSE
- 36) FALSE
- 37) TRUE
- 38) FALSE
- 39) FALSE
- 40) FALSE