TRUE/FALSE

| 1. | In C++, reserved wor | rds are the same as pre | defined | identifiers. |
|-----|------------------------------------|---------------------------|-----------|--|
| | ANS: F | PTS: 1 | REF: | 36 |
| 2. | The maximum numb | per of significant digits | in valu | es of the double type is 15. |
| | ANS: T | PTS: 1 | REF: | 42 |
| 3. | The maximum numb | per of significant digits | in flo | at values is up to 6 or 7. |
| | ANS: T | PTS: 1 | REF: | 42 |
| 4. | An operator that has | only one operand is ca | ılled a u | nique operator. |
| | ANS: F | PTS: 1 | REF: | 45 |
| 5. | If a C++ arithmetic e | expression has no parer | ntheses, | operators are evaluated from left to right. |
| | ANS: T | PTS: 1 | REF: | 46 |
| 6. | A mixed arithmetic e | expression contains all | operano | ds of the same type. |
| | ANS: F | PTS: 1 | REF: | 49 |
| 7. | Suppose a = 5. At | fter the execution of th | e staten | nent ++a; the value of a is 6. |
| | ANS: T | PTS: 1 | REF: | 70 |
| 8. | The escape sequence | e\r moves the insertion | n point | to the beginning of the next line. |
| | ANS: F | PTS: 1 | REF: | 78 |
| 9. | A comma is also call | ed a statement termina | tor. | |
| | ANS: F | PTS: 1 | REF: | 90 |
| 10. | Suppose that sum is sum = sum + 7; | | stateme | ent sum += 7; is equivalent to the statement |
| | ANS: T | PTS: 1 | REF: | 95 |
| MUL | ГІРЬЕ СНОІСЕ | | | |
| 1. | The rules of a programming langua | | tell yo | u which statements are legal, or accepted by the |
| | a. semantic | .sc. | c. | <i>5</i> |
| | b. logical | | d. | grammatical |

| | ANS: C | PTS: | 1 | REF: | 34 |
|-----|---|-----------|--------------------|----------|--|
| 2. | Which of the following a. char b. Char | ng is a | reserved word i | c. | CHAR character |
| | ANS: A | PTS: | 1 | REF: | 36 |
| 3. | Which of the following a. program! b. program_1 | ng is a l | legal identifier? | c. | 1program program 1 |
| | ANS: B | PTS: | 1 | REF: | 36 |
| 4. | is a valid int a. 46,259 b. 46259 | value. | | | 462.59 -32.00 |
| | ANS: B | PTS: | 1 | REF: | 39-40 |
| 5. | is a valid chara129 b. 'A' | r valu | е. | c. d. | 128 129 |
| | ANS: B | PTS: | 1 | REF: | 40 |
| 6. | An example of a floa a. int b. char | | | c. d. | short |
| | ANS: C | PTS: | 1 | REF: | 41 |
| 7. | The memory allocate a. two b. four | d for a | float value is _ | c. | es. eight sixteen |
| | ANS: B | PTS: | 1 | REF: | 42 |
| 8. | The value of the expra. 0.3 b. 3 | ression | 33/10, assur | c. | oth values are integral data types, is 3.0 3.3 |
| | ANS: B | PTS: | 1 | REF: | 43-44 |
| 9. | The value of the expra. 1 b. 2 | ression | 17 % 7 is | c. | 3 4 |
| | ANS: C | PTS: | 1 | REF: | 43-44 |
| 10. | The expression state a. 9 b. 10 | tic_ca | ast <int>(9)</int> | c. | 9.9 9.0 |
| | ANS: A | PTS: | 1 | REF: | 51 |

| 11. | The expression state a. 13 b. 14 | cic_cast <in< th=""><th>c.</th><th>static_cast<int>(7.9) evaluates to 14.8 15</int></th></in<> | c. | static_cast <int>(7.9) evaluates to 14.8 15</int> |
|-----|---|--|------------------------|--|
| | ANS: A | PTS: 1 | REF: | 51 |
| 12. | The length of the stri a. 14 b. 15 | ng "computer | c. | is 16 18 |
| | ANS: C | PTS: 1 | REF: | 54 |
| 13. | After the statement of a. one = 10.5, b. one = 10.5, | in >> one > two = 10.5 two = 30.6 | >> two; ex c. d. | one = 30.6 , two = 30.6 one = 11 , two = 31 |
| | ANS: B | PTS: 1 | REF: | 64 |
| 14. | Suppose that count executes, the value of a. 1 b. 2 | | _· c. | <pre>ount = 1. After the statement count++; 3 4</pre> |
| | ANS: B | PTS: 1 | REF: | 70 |
| 15. | Suppose that alpha to the statement(s)a. alpha = 1 - b. alpha = beta alpha = beta d. alpha = beta beta = beta | beta; a - 1; - 1; a; | Int variables | The statement alpha =beta; is equivalent |
| | ANS: C | PTS: 1 | REF: | 70-71 |
| 16. | Suppose that alpha to the statement(s) a. alpha = 1 - b. alpha = beta c. beta = beta alpha = beta d. alpha = beta beta = beta | beta; a - 1; - 1; a; | int variables | The statement alpha = beta; is equivalent |
| | ANS: D | PTS: 1 | REF: | 70-71 |
| 17. | Suppose that alpha to the statement(s) _ a. alpha = 1 + b. alpha = alph c. alpha = beta beta = beta d. beta = beta | beta; ha + beta; a; + 1; | Int variables | The statement alpha = beta++; is equivalent |

```
alpha = beta;
                                      REF: 70-71
    ANS: C
                     PTS: 1
18. Suppose that alpha and beta are int variables. The statement alpha = ++beta; is equivalent
    to the statement(s)
    a. beta = beta + 1;
       alpha = beta;
    b. alpha = beta;
       beta = beta + 1;
    c. alpha = alpha + beta;
    d. alpha = beta + 1;
    ANS: A
                     PTS: 1
                                      REF: 70-71
19. Choose the output of the following C++ statement:
    cout << "Sunny " << '\n' << "Day " << endl;</pre>
   a. Sunny \nDay
    b. Sunny \nDay endl
    c. Sunny
       Day
    d. Sunny \n
       Day
    ANS: C
                     PTS: 1
                                      REF: 73
20. Which of the following is the newline character?
                                         c. \1
   b. \n
                                         d. \b
    ANS: B
                     PTS: 1
                                      REF: 73
21. Consider the following code.
    // Insertion Point 1
    using namespace std;
    const float PI = 3.14;
    int main()
        //Insertion Point 2
        float r = 2.0;
        float area;
        area = PI * r * r;
        cout << "Area = " << area <<endl;</pre>
```

In this code, where does the include statement belong?

a. Insertion Point 1

return 0;

// Insertion Point 3

c. Insertion Point 3

b. Insertion Point 2

d. Anywhere in the program

| | ANS: A | PTS: 1 | REF: | 80 |
|-----|--|------------------------------------|----------|--|
| 22. | a. Variables b. Prompt lines | statements that inform | c. | r what to do. Named constants Expressions |
| | ANS: B | PTS: 1 | REF: | 91 |
| 23. | The declaration int a. inta , b, c; b. int a,b,c; | | c. | which of the following? int abc; int a b c; |
| | ANS: B | PTS: 1 | REF: | 92 |
| 24. | | a and beta are in *= beta; execute | es, | ables and alpha = 5 and beta = 10. After alpha = 50 alpha = 50.0 |
| | ANS: C | PTS: 1 | REF: | 94 |
| 25. | * * | and num are int vanum executes, | c. | and sum = 5 and num = 10. After the sum = 10 sum = 15 |
| | ANS: D | PTS: 1 | REF: | 95 |
| COM | PLETION | | | |
| 1. | | is the process of p | lanning | g and creating a program. |
| | ANS: Programming programming | | | |
| | PTS: 1 | REF: 28 | | |
| 2. | A(n) | is a memory | locatio | n whose contents can be changed. |
| | ANS: variable | | | |
| | PTS: 1 | REF: 33 | | |
| 3. | A(n)accomplishes someth | is a collection | n of sta | tements, and when it is activated, or executed, it |
| | ANS: subprogram sub program sub-program function modlue | | | |

| | PTS: 1 | REF: 34 | |
|----|--|--|----|
| 4. | the system. | functions are those that have already been written and are provided as part | of |
| | ANS: Predefined predefined Standard standard | | |
| | PTS: 1 | REF: 34 | |
| 5. | | rules determine the meaning of instructions. | |
| | ANS: Semantic semantic | | |
| | PTS: 1 | REF: 34 | |
| 6. | · | can be used to identify the authors of the program, give the date when the | |
| | program is written o key statements in a p | modified, give a brief explanation of the program, and explain the meaning of ogram. | |
| | ANS: Comments comments | | |
| | PTS: 1 | REF: 34 | |
| 7. | The smallest individ | al unit of a program written in any language is called a(n) | |
| | ANS: token | | |
| | PTS: 1 | REF: 35 | |
| 8. | In a C++ program, _ identifiers. | are used to separate special symbols, reserved words, ar | ıd |
| | ANS: whitespaces white spaces white spaces | | |
| | PTS: 1 | REF: 37 | |
| 9. | Thesimple data types. | type is C++ 's method for allowing programmers to create their own | |
| | ANS: enumeration | | |

| | PTS: 1 REF: 38 |
|-----|--|
| 10. | The memory space for a(n) data value is 64 bytes. |
| | ANS: long long |
| | PTS: 1 REF: 39 |
| 11. | The maximum number of significant digits is called the |
| | ANS: precision |
| | PTS: 1 REF: 42 |
| 12. | When a value of one data type is automatically changed to another data type, a(n) type coercion is said to have occurred. |
| | ANS: implicit |
| | PTS: 1 REF: 51 |
| 13. | A(n) is a sequence of zero or more characters. |
| | ANS: string |
| | PTS: 1 REF: 53 |
| 14. | In C++, you can use a(n) to instruct a program to mark those memory locations in which data is fixed throughout program execution. |
| | ANS: named constant constant |
| | PTS: 1 REF: 55 |
| 15. | A data type is called if the variable or named constant of that type can store only one value at a time. |
| | ANS: simple |
| | PTS: 1 REF: 57 |
| | |