Chapter 2: Basic Elements of C++

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1.	In C++, reserved wo	rds are	the same as pre	defined	identifiers.
	ANS: F	PTS:	1	REF:	36
2.	The maximum numb	er of sig	gnificant digits	in valu	es of the double type is 15.
	ANS: T	PTS:	1	REF:	42
3.	The maximum numb	er of sig	gnificant digits	in flo	at values is up to 6 or 7.
	ANS: T	PTS:	1	REF:	42
4.	An operator that has	only on	e operand is ca	lled a u	nique operator.
	ANS: F	PTS:	1	REF:	45
5.	If a C++ arithmetic e	xpressi	on has no parer	ntheses,	operators are evaluated from left to right.
	ANS: T	PTS:	1	REF:	46
6.	A mixed arithmetic e	xpressi	on contains all	operan	ds of the same type.
	ANS: F	PTS:	1	REF:	49
7.	Suppose $a = 5. A$	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	\r mo	ves 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 sta	tement termina	tor.	
	ANS: F	PTS:	1	REF:	90
10.	Suppose that sum is = sum + 7;	an int	variable. The	stateme	ent sum += 7; is equivalent to the statement sur
	ANS: T	PTS:	1	REF:	95
MUL	TIPLE CHOICE				
1.	The rules of a programming langua		ming language	tell you	u which statements are legal, or accepted by the
	a. semanticb. logical	gc.		c. d.	syntax grammatical

	ANS: C	PTS:	1	REF:	34
2.	Which of the following a. char b. Char	ng is a ı	reserved word i	c.	CHAR character
	ANS: A	PTS:	1	REF:	
3.	Which of the following a. program! b. program 1	ng is a l	egal identifier?	c.	1program program 1
	ANS: B	PTS:	1	REF:	
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'			d.	128 129
	ANS: B	PTS:	1	REF:	40
6.	An example of a floata. intb. char	ting poi	nt data type is		
	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. d.	
	ANS: C	PTS:	1	REF:	43-44
10.	The expression stata. 9 b. 10	cic_ca	ast <int>(9.</int>		9.9
	ANS: A	PTS:	1	REF:	

11.	The expression stat a. 13 b. 14	:ic_cast <int>(6</int>	c.	static_cast <int>(7.9) evaluates to 14.8 15</int>
	ANS: A	PTS: 1	REF:	51
12.	a. 14 b. 15	ng "computer sci	c. d.	16 18
	ANS: C	PTS: 1	REF:	54
13.	After the statement c a. one = 10.5,	in >> one >> tw two = 10.5	o; ex c.	variables and input values are 10.5 and 30.6. ecutes, one = 30.6, two = 30.6 one = 11, two = 31
	ANS: B	PTS: 1	REF:	64
14.	Suppose that count the value of count a. 1 b. 2		c.	unt = 1. After the statement count++; executes, 3 4
	ANS: B	PTS: 1	REF:	70
15.	Suppose that alpha the statement(s) a. alpha = 1 - b. alpha = beta c. beta = beta alpha = beta d. alpha = beta beta = beta	beta; a - 1; - 1; a;	nriables	The statement alpha =beta; is equivalent to
	ANS: C	PTS: 1	REF:	70-71
16.	the statement(s) a. alpha = 1 - b. alpha = beta c. beta = beta alpha = beta d. alpha = beta beta = beta	beta; a - 1; - 1; a; - 1;		The statement alpha = beta; is equivalent to
	ANS: D	PTS: 1	REF:	70-71
17.	Suppose that alpha the statement(s)a. alpha = 1 + b. alpha = alph c. alpha = beta beta = beta d. beta = beta	beta; na + beta; a; + 1;	ariables	The statement alpha = beta++; is equivalent to

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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
                     PTS: 1
    ANS: C
                                      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;
```

In this code, where does the include statement belong?

cout << "Area = " << area <<endl;</pre>

a. Insertion Point 1

return 0;

// Insertion Point 3

c. Insertion Point 3

b. Insertion Point 2

d. Anywhere in the program

	ANS: A	PIS: 1	REF:	80
22.	a. Variables b. Prompt lines	statements that inforn	c.	r what to do. Named constants Expressions
	ANS: B	PTS: 1	REF:	91
23.	<pre>a. inta , b, c b. int a,b,c;</pre>	;	c. d.	<pre>o which of the following? int abc; int a b c;</pre>
	ANS: B	PTS: 1	REF:	92
24.	statement alpha *: a. alpha = 5 b. alpha = 10	= beta; executes,	 c. d.	bles and alpha = 5 and beta = 10. After the alpha = 50 alpha = 50.0
	ANS: C	PTS: 1	REF:	94
25.	Suppose that sum a sum += num exect a. sum = 0 b. sum = 5		c.	and sum = 5 and num = 10. After the statement sum = 10 sum = 15
	ANS: D	PTS: 1	REF:	95
COM	PLETION			
1.		is the process of	planning	and creating a program.
	ANS: Programming programming			
	PTS: 1	REF: 28		
2.		is a memor	y locatio	n whose contents can be changed.
	ANS: variable PTS: 1	REF: 33		
3.	A(n)accomplishes someth		on 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 a	are those that have already been written and are provided as part of
	ANS: Predefined predefined Standard standard		
	PTS: 1	REF: 34	
5.		rules deter	mine the meaning of instructions.
	ANS: Semantic semantic		
	PTS: 1	REF: 34	
6.		can be use	d to identify the authors of the program, give the date when the
	program is written of key statements in a p	modified, give	a brief explanation of the program, and explain the meaning of
	ANS: Comments comments		
	PTS: 1	REF: 34	
7.	The smallest individ	ual unit of a pro	gram 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, and
	ANS: whitespaces white spaces white spaces		
	PTS: 1	REF: 37	
9.	Thesimple data types.	type is	s C++ 's method for allowing programmers to create their own
	ANS: enumeration		

REF: 57

PTS: 1