https://selldocx.com/products/test-bank-introduction-to-programming-with-c-3e-liang

Name:	CSCI 2490 C++ Programming
(50 : 4)	Armstrong Atlantic State University
(50 minutes)	Instructor: Dr. Y. Daniel Liang
(Open book test, you can only bring	the textbook)
Part I: Multiple Choice Question	ons:
5 quizzes for Chapter 1 1 Why do computers use zeros	s and ones?
B. because combinations of zer	the bases upon which all other number systems are built ros and ones can represent any numbers and characters. It is two stable states and it is natural to use one state for 0 it is simplest.
2 A block is enclosed inside _	
A. Brackets B. Braces C. Parentheses D. Quotes	
3 The following program disp #include <iostream> using namespace std;</iostream>	lays
int main() { cout << "A"; cout << "B";	
return 0; } A. AB B. BA C. B A D. A B	
4 is the brain of a	a computer.
A. Hardware B. Memory C. CPU D. Disk	

5 The extension name of a C++ source code file is	
Aclass Bjava Cexe Dcpp Eobj	
10 quizzes for Chapter 2 6 To improve readability and maintainability, you should declare instead using literal values such as 3.14159.	of
A. constants B. variables C. classes D. functions	
7 To assign a value 1 to variable x, you write	
A. x := 1; B. 1 := x; C. 1 = x; D. x = 1; E. x == 1;	
8 The ASCII of 'a' is 97. What is the ASCII for 'c'?	
A. 97 B. 98 C. 96 D. 99	
9 Which of the following statement prints smith\exam1\test.txt?	
A. cout << "smith\\exam1\\test.txt"; B. cout << "smith\\exam1"\test.txt"; C. cout << "smith\"exam1\"test.txt"; D. cout << "smith\\exam1\\test.txt";	
10 A character is stored in	
A. three bytes B. two bytes C. four bytes D. one byte	
11 Suppose x is 1. What is x after $x = 1$?	

```
B. 0
C. 1
D. 2
E. -2
12 Programming style is important, because . .
A. a program may not compile if it has a bad style
B. good programming style makes a program more readable
C. good programming style helps reduce programming errors
D. good programming style can make a program run faster
13 To add a value 1 to variable x, you write
A. x = x + 1;
B. x := 1;
C. 1 + x = x;
D. x += 1;
E. x = 1 + x;
14 Which of the following expression will yield 0.5?
A. 1.0 / 2
B.1/2.0
C. (double) 1 / 2
D. (double) (1 / 2)
E.1/2
15 Note that the ASCII for character A is 65. The expression 'A' + 1 evaluates to
A.B
B. 66
C. A1
D. Illegal expression
Part II: Find and correct errors in the following code:
(5 pts)
#include <iostream>
using namespace std;
int main()
 int j = i + 1;
 int k = 5.5;
 cout << "j is " << j << "and
   k is " << k;
```

A. -1

```
return 0;
Part III: Show the output of the following code:
(8 pts)
#include <iostream>
using namespace std;
int main()
 int x1, x2, i, j, k, y, z;
 float f;
 x1 = 1;
 x2 = 1;
 y = 5 + x1--;
 z = 5 + ++x2;
 i = 6 % 4;
 \dot{j} = 1;
 j += j + 3;
 k = 25 / 2;
 f = (float)((2 / 5) * k);
 cout << "x1 is " << x1 << endl;
 cout << "x2 is " << x2 << endl;
 cout << "i is " << i << endl;
 cout << "j is " << j << endl;
 cout << "k is " << k << endl;
 cout << "y is " << y << endl;
 cout << "z is " << z << endl;
 cout << "f is " << f;
 return 0;
Part IV: (10 pts) Write a program that prompts the user to
  enter two points (x1, y1) and (x2, y2) and displays their
  distances. The formula for computing the distance is
   \sqrt{(x_2-x_1)^2+(y_2-y_1)^2}. Note you can use pow(a, 0.5) to compute
   \sqrt{a}. Here is a sample run.
<Output>
Enter x1 and y1: 1.5 - 3.4
Enter x2 and y2: \frac{4}{5}
The distance of the two points is 8.764131445842194
```

<End Output>