**CSC112 ASSIGNMENT 1**

**(Issued Date: 09/06/2022, Due Date: 15/06/2022)**

**Attempt All Questions**

**Section A:**

|  |  |
| --- | --- |
| 1. What is the description of the following object-oriented language feature:   double daisy(int d, double f) **and**  double daisy(long l, int b) :  (a) inheritance (b) overloading (c) overriding (d) encapsulation | 2. Consider the following code sequence, state the value of  **x and y** in the output:  int x = 5, y = 6;  cout<< y++ <<++x;  cout<<"\n y = "<<y++<<" x= "<<++x; |
| 3. If int sum = 21 and int val = 3. What is the final value of sum from the expression:  sum+=val  19 (b) 7 (c) 24 (d) 63 | 4. What is the output of the flowing code chunk:  {  int a = 5;  int b = 10;  cout << (a > b? a : b);  }  (a) 5 (b) 10 (c) 15 (d) 50 |
| 5. A function prototype specifies----------------- and -------------------------  (a) function and parameter (b) function type and parameter (c) function name and parameter list (d) function call and function definition | 6. If a discount of 5% is given for buying mayonnaise, what is the logic for amount paid:  (a) amtPaid = totalCost – 5 \* totalCost  (b) amtPaid = totalCost – 0.5 \* totalCost  (c) amtPaid = totalCost – 0.05 \* totalCost  (d) amtPaid = totalCost – 5 / totalCost |
| 7. Pick the odd one out.  a) integer, character, boolean, floating  b) enumeration, classes  c) integer, enum, void  d) arrays, pointer, classes | 8. What is the output if integer values 2 is received by variable ***choice*** in the following code:  cin>>choice;  switch(choice){  Case 1: cout<<"Hey "; break;  Case 2: cout<<" How ";  Case 3: cout<<" Coding”; break;  default: cout<<"\n Out of Range";  }  (a) Hey (b) How (c) Coding (d) How Coding |
| 9. What are the actual parameters in C++?  a) Parameters with which functions are called  b) Parameters which are used in the definition of a function  c) Variables other than passed parameters in a function  d) Variables that are never used in the function | 10. What is wrong with the following function call:  int costOfall(int x, string y, double z) //declaration  costOfall(20, 34.8, “Gowon Estate”); *// function call*  (a) parameter type (b) function type  (c) function name (d) return type |

**SECTION B:**

1. Using your experience of creating user-defined functions, write a C++ program to find the perimeter of a rectangle. Your code should have two functions (main inclusive), such that the main function calls and passes value to the function computing the perimeter.
2. Identify what is erroneous about the following function header:

*void double findAverage()*

1. Create a C++ program to implement the expression: