

Name: _____

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**Ghulam Ishaq Khan Institute of
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Faculty of Computer Science and Engineering

CS101 – Introduction to Computing (Fall 2021)

Quiz # 5 - Solution

December 17, 2021

Total Marks: 20

Time: 15 Minutes

1. The signature of a function is its ...
 - a) Function code
 - b) Prototype**
 - c) Call
 - d) Parameter list
2. What is true about inline functions?
 - a) It's a compulsion on the compiler to make the function inline
 - b) It's a request to the compiler to make the function inline**
 - c) It's indication to the compiler that the function is recursive
 - d) It's indication to the compiler that the function is a member function
3. Which of the following type of function is an ideal candidate for being declared inline?
 - a) A function that is small and is called frequently**
 - b) A function that is not small and is called frequently
 - c) A function that is not small and is not called frequently
 - d) A function that is small and is not called frequently
4. When we pass by reference in a function call, the data being passed is ...
 - a) The value of the argument
 - b) The argument itself
 - c) The address of the argument**
 - d) None of the above
5. What is the scope of the variable declared in the user defined function?
 - a) Only inside {} block**
 - b) Whole program
 - c) Both a and b
 - d) None of the above
6. What type of variable will remember its last value, each time it's scope is entered ?
 - a) auto
 - b) register
 - c) extern
 - d) static**
7. What is the output of this program?

```
void copy(int& a, int& b, int& c) {  
    a *= 2;  
    b *= 2;  
    c *= 2;  
}  
int main () {  
    int x = 1, y = 3, z = 7;  
    copy (x, y, z);  
    cout << x << ", " << y << ", " << z;  
    return 0;  
}
```

 - a) 2, 5, 10
 - b) 2, 4, 5
 - c) 2, 6, 14**
 - d) none of the mentioned

8. What is the output of this program?

```
void Sum(int a, int b, int & c) {  
    a = b + c;  
    b = a + c;  
    c = a + b;  
}  
int main() {  
    int x = 2, y = 3;  
    Sum(x, y, y);  
    cout << x << " " << y;  
    return 0;  
}
```

- a) 2 3
- b) 6 9
- c) 2 15**
- d) compile time error

9. What is the output of this program?

```
int add(int a, int b ) {  
    int sum = a + b;  
    a = 7;  
    return a + b;  
}  
int main() {  
    int i = 5, j = 6;  
    cout << add(i, j) << endl;  
    return 0;  
}
```

- a) 11
- b) 12
- c) 13**
- d) compile time error

10. What is the output of this program?

```
int myFunction( ) {  
    cout << "Hi!";  
}  
int main() {  
    myFunction();  
    return 0;  
}
```

- a) Compile time error**
- b) Hi!
- c) Hi!Hi!
- d) None of the mentioned