Ghulam Ishaq Khan Institute of Engineering Sciences and Technology

Faculty of Computer Science and Engineering

CS101 – Introduction to Computing (Fall 2021)

Quiz # 4

December 10, 2021

Total Marks: 10   **Time: 10 Minutes**

1. What is the last value output of due to the following program?   **(02 Point)**

```
int i=1, j=0;
while(i*j < 20) {
  i = i+j;
  j += 10;
  cout << i << "  " << j;
}
```

2. What will be the final output of the following code? **(02 Point)**

```
for(int i=2, j=0; i<=3 && j>-2; i=i+1) {
    ++j;
    cout << i+j;
}
```

3. Identify the output of this program?   **(02 Point)**

```
int k =1;
int l = 0;
cout << ((k || l) != k);
```

4. Convert the following code into code that uses conditional ternary operator(?).   **(02 Point)**

```
int a = 1, b = 2, c;
if (a > b)
    c = a-b;
else
    c = b-a;
```

5. What is the output of this code?   **(02 Points)**

```
char grade = 'B';
switch(grade){
  case 'A':
    cout << "Grade A, great!" << endl;
    break;

  case 'B':
    cout << "Grade B, good!" << endl;
    cout << "You could have got A with a
little more hard work.\n";

  case 'C':
    cout << "Grade C, not so bad" << endl;
    break;

  default:
    cout << "Invalid grade" << endl;
  }
```