

Student Name:

Student ID:

Question 1 (5 Marks)

A. A escape sequence for the new line is
 \t \r \n \\

B. The output statement in the C++ program is by using the Header iostream.

cin cout printf scanf

```
C.
#include <iostream>
using namespace std;
int main()
{
    int x = 8;
    cout<<"+x * 3 <<" << x;
}
```

a) 24, 8	b) 24, 9
<input checked="" type="checkbox"/> c) 27, 9	d) 27, 9 (repeated)

D. What is the output of the following code if the grade is more than 60? //in the program grade=60

```
int main()
{
    int grade=60;
    if(grade >= 60)
        cout<<"passed";
    else
        cout<<"Failed ";
    cout<<"Do Better";
}
```

<input type="checkbox"/> Passed	<input type="checkbox"/> Failed	<input checked="" type="checkbox"/> Passed Do Better
<input type="checkbox"/> Failed Do Better		

E. What is the value of x if the value of y is 10? If the value entered from keyboard as 10

```
int main()
{
    int x=0,y=0;
    cout<<"Enter the value of y";
    cin>>y;
    if(y>=10)
        x=1;
    cout<<x;
}
```

x=0	<input checked="" type="checkbox"/> X=1
No Result	Wrong Input

Question 2 (5 Marks)

Convert the below program from while loop to for loop

```
#include <iostream>
using namespace std;
```

```
int main()
{
    int grade, counter=0;
    while(counter<10)
    {
        cout<<"Enter the Grade: ";
        cin>>grade;
        if(grade>=60)
            cout<<"Passed";
        else
            cout<<"Failed";

        counter++;
    }
}
```

Handwritten notes:
 int i;
 for (i=0; i<10; i++)
 {
 cout << "Enter the Grade";
 cin >> grade;
 if (grade >= 60)
 cout << "passed";
 else
 cout << "Failed";
 }
 }

Student Name:

Student ID:

Question 3 (5 Marks) //this is java program not c++

a) Convert the following switch statement into if-else statement

```
int choice = input.nextInt();
switch (choice)
{
    case 1:
        System.out.println("one");
    case 2:
        System.out.println("two");
        break;
    case 3:
        System.out.println("three");
        break;
    case 4:
        System.out.println("four");
    case 5:
        System.out.println("five");
        break;
    default:
        System.out.println("Invalid Entry");
        break;
}
```

```
{
    int x;
    cout << "Enter a number ";
    cin >> x;
    if (x == 1)
        cout << "one";
    else
        if (x == 2)
            cout << "Two";
        else
            if (x == 3)
                cout << "Three";
            else if (x == 4)
                cout << "Four";
            else if (x == 5)
                cout << "Five";
            else
                cout << "Invalid Entry";
}
```