



THE LAWRENCE SCHOOL, LOVEDALE
XI - COMPUTER SCIENCE
SECOND UNIT TEST - 2011
Date: 26 - 08 -2011

M.MARKS: 35

TIME: 1 1/2 HRS

- Q1. a) What is infinite loop? Give an example. (2)
- b) What is the use of default case in the switch statement? (1)
- c) Write the differences between if-else ladder and switch statement. (2)
- d) Differentiate between while loop and do-while loop. (2)
- e) Write the syntax of switch statement. (1)
- f) Rewrite the following program after removing the syntactical errors (if any). Underline each correction. (2)

```
#include [iostream.h]
main()
{
    int a=5.99;
    int b=10;
    c= a+b;
    cout<<\n c;
}
```

- Q2. a) Covert and write the bellow code using switch statement. (2)

```
if(ch=='A')
    cout<<"A";
else if(ch=='B')
    cout<<"B";
else if(ch=='C')
    cout<<"C";
else
    cout<<"Enter A, B or C only";
```

b) Write a C++ program with output to perform all arithmetic operations on two numbers using if-else ladder. (4)

c) Write a program to accept 4 subject marks of the student and find the total, average, also grade of a student, as per the following condition. (4)

Average marks	Grade
90-100	A
75-89	B
50-74	C
35-49	D
<35	E

d) Covert and write given code using do-while loop. (2)

```
for(int i=2;i<=10;i+=2)
{
    cout<<"\n i";
}
```

Q3. a) Write a program using for loop to develop the following format. (2)

```
*
*   *
*   *   *
```

b) Write a program to print the numbers from 1 – 70 which are devisable by 7, using while loop. (2)

c) Write a program to check the given character is vowel or consonant using any if statement. (3)

d) What is alternate name for the **do-while loop**? Why it is called so? (2)

e) Write a program to print the numbers from 1 – 10, and also print the square and cube of 1-10 numbers, using for loop. (2)

f) Write a program to print the all even numbers from 1 to 20 in reverse order using while loop. (2)