

Marking Scheme Class - XI (Computer Science) Dated: 27.9.16

1.
 - a.
 - i. 1 Mark for writing any function of OS.
 - ii. 1 Mark for writing any two utility program.
 - b.
 - i. 1 Mark - The program written by the user is known as source program.
 - ii. 1 Mark - The source program converted by the compiler is known as object program.
2.
 - a. 370, 371
 - b. $(000100000001.00010000)_2$, $(257.0625)_{10}$
3.
 - a.
 - i. False – 1 Mark
 - ii. False – 1 Mark
 - b. 2 Marks for mentioning any two reasons.
4.
 - a. 1 Mark each for stating any one difference and 1 Mark for example.
 - b. $\frac{1}{2}$ Mark each for finding any four errors and mentioning its type.
5.
 - a. -8
 - b. $\frac{1}{2}$ Mark for correct Function Header (main) with appropriate header files
2 Mark for correct logic
 $\frac{1}{2}$ Mark for displaying the result
 - c. 8.2
 - d. $\frac{1}{2}$ Mark for correct Function Header (main) with appropriate header files
1 Mark for correct logic
 $\frac{1}{2}$ Mark for displaying the result
 - e.
 - i. Yes – 1 Mark
 - ii. Tricky againNo??? – 1 Mark
6.
 - a. $\frac{1}{2}$ Mark for correct Function Header (main) with appropriate header files
1 Mark for appropriate loop
2 Mark for correct logic
 $\frac{1}{2}$ Mark for displaying the result
 - b. $\frac{1}{2}$ Mark for correct Function Header (main) with appropriate header files
3 Mark for correct logic
 $\frac{1}{2}$ Mark for displaying the result
 - c. $\frac{1}{2}$ Mark for correct Function Header (main) with appropriate header files
1 Mark for appropriate loop
2 Mark for correct logic
 $\frac{1}{2}$ Mark for displaying the result
 - d. 3 Mark for conversion

```
int ch;
cin>>ch;
switch(ch)
{
    case 1: cout<<"Laptop"; break;
    case 2:
        :
        :
}
```

e. 0 (zero) times – 2 Mark

7.

a. 51 – 3 Mark

b. ½ Mark for correct Function Header (main) with appropriate header files

1 Mark for appropriate loop

2 Mark for correct logic

½ Mark for displaying the result

c. ½ Mark for correct Function Header (main) with appropriate header files

1 Mark for appropriate loop

2 Mark for correct logic

½ Mark for displaying the result

d. ½ Mark for correct Function Header (main) with appropriate header files

2½ Mark for correct logic

1 Mark for displaying the result

e. ½ Mark for correct Function Header (main) with appropriate header files

½ Mark for getting input

2 Mark for correct logic

1 Mark for displaying the result

8.

a. 1 Mark definition & 1 Mark example (any)

b. 2 Mark for explaining OO Programming with example.

c. 1 Mark each for stating any two advantages.

d. C++ bridges the gap between traditional Machine Understandable
Machine Level language and more conventional High level languages.