(Operators)

Q1. Define the terms associativity and precedence.

Q2. If a=50, b=10 and c=20, evaluate the following complex expression:

c+= (a>0 && a<=10) ? ++a: a/b;

Q3. Identify the wrong expression from the following expressions and find the values of the correct expressions, if i=4, j=2, k=6, a=2 and n=8.

i.) p= ++-k; ii.) a= - ++k/2; iii.) m=++i- -k;

iv.) a= 2b++; v.) - -n++

Q4. In the following expression write the hierarchy of computation and also mention the type of operator:

a*x*x+b*c/d>=x&&z!=15.0

What will be the output of following program? (Q 5-9)

Q5.
```
#include<stdio.h>
void main()
{
        int a=2, b=10, k, c;
        k=! ((a<2) && b>2));
        printf("%d\n",k);
        c= (b<a || b>a);
        printf("%d",c);
}
```

Q6.
```
#include<stdio.h>
void main()
{
        int b,k=8;
        b=(k++-k++-k--,k++);
        printf("%d",b);
}
```

Q7.
```
#include<stdio.h>
int main()
{
 int a = 2,b = 5;
 a = a^b;
 b = b^a;
 printf("%d %d",a,b);
 return 0;
}
```

Q8.
```
#include <stdio.h>
void main()
{
   int x = 1, y = 0, z = 5;
   int a = x && y || z++;
   printf("%d", z);
}
```

Q9.
```
#include <stdio.h>
void main()
{
   int x = 1, y = 0, z = 5;
    int a = x && y && z++;
    printf("%d", z);
}
```