1) Find the output of the following C program

```c
#include<stdio.h>
int main()
{
    int a, z, x=10, y=12;
    z=x*y++;
    a= x*y;
    printf("%d, %d", z, a);
    return 0;
}
```

a) 120, 120
b) 120, 130
c) 130, 120
d) 130, 130

Answer: b

2) What will be the output of the following program?

```c
#include<stdio.h>
int main()
{
    int p=2;
    int m=10;
    int  k;
    k= !((p<2)&&(m>2));
    printf("\n%d", k);
    return 0;
}
```

a) 1
b) 0
c) -1
d) 2

Answer: a

3) Find the output of the following C code.

```c
#include<stdio.h>
#include<math.h>
int main()
{
    int a=5, b=2, c=6;
    float  x1, x2;
if(b*b>4*a*c)
{
    x1= -b+sqrt(b*b-4*a*c)/2*a;
    x2= -b-sqrt(b*b-4*a*c)/2*a;
    printf("\n x1=%f, x2=%f",x1,x2);
}
    else
    printf("\n Roots are imaginary");
    return 0;
}
```

a) x1=4, x2=3
b) x1=-5, x2=-4
c) x1=2.5, x2=4.2
d) Roots are imaginary

Answer: d

4) Find the output of the following code.

```c
#include<stdio.h>
int main()
{
    int p=6, q=4, r=10;
    if(p>q)
    {
        if(p>r)
        printf("%d", p);
        else
        printf("%d", r);
    }
    else
    {
        if(r>q)
        printf("%d", r+q);
        else
        printf("%d", q);
    }
    return 0;
}
```

a) 6
b) 4
c) 10
d) 14

Answer: c

5) Which of the following statements are correct?
   I. The 'else' block is executed when condition inside 'if' statement is false.
   II. One 'if' statement can have multiple 'else' statement.

a) Only I
b) Only II
c) Both I and II
d) None of the above is correct

Answer: c

6) C modulo division operator ' %' can be applied on

a) only float variables
b) only int variables
c) int and float combination
d) any data types in C

Answer: b

7) The output of the following program will be

```
#include<stdio.h>
int main()
{
if(0)
printf(" C programming\n");
if(0.5)
printf("Java \n");
if(-0.5)
printf("Python \n");
return 0;
}
```

a) C programming
b) Java
   Python
c) C programming
   Java
d) Compilation error

Answer: b

8) What will be the output?

```
#include<stdio.h>
int main()
{
    int p=2;
    int k;
    k= p>10?2:10;
    printf("%d",k);
    return 0;
}
```

a) 2
b) 8
c) 10
d) 12

Answer: c

9) What will be the output?

```
#include<stdio.h>
int main()
{
    int s=20;
    if(s=19)
    printf("Right\n");
    else
    printf("Wrong\n");
    return 0;
}
```

a) Right
b) Wrong
c) 0
d) No output

Answer: a

10) What will be the output of the program ?

```
#include<stdio.h>
int main()
{
    int a=2, b=3, c=5, d=8, ans;
    ans=a-b+c*a/d%b;
    printf(" The answer will be %d", ans);
    return 0;
}
```

a) The answer will be 15
b) The answer will be 0
c) The answer will be 1
d) Compilation error

Answer: b