1.

```
#include<stdio.h>
int function(int,int);
int main(void)
{
    int i=135,a=135,k;
    k=function(!++i,!++a);
    printf("i=%d a=%d k=%d\n",i,a,k);
    return 0;
}
int function(int j,int b)
{
    int c;
    c=j++ + b++;
    return !c;
}
```

A. i=136 a=136 k=1
B. i=136 a=136 k=0
C. i=136 a=136 k=272
D. i=135 a=135 k=1

Answer: A

2.

```
#include<stdio.h>
int function(int,int);
int main(void)
{
    int i=10,j=20;
    printf("before fun call  :: i=%d j=%d \n",i,j);
    i=i+j;j=i-j;i=i-j;
    function(i,j);
    i=i+j;j=i-j;i=i-j;

    printf(" after fun call  :: i=%d j=%d \n",i,j);
    return 0;
}
```

```
int function(int i,int j)
{
   i=i+j;j=i-j;i=i-j;
}
```

A. before fun call :: i=10 j=20
   after fun call :: i=10 j=20
B. before fun call :: i=10 j=20
   after fun call :: i=20 j=10
C. before fun call :: i=20 j=10
   after fun call :: i=10 j=20
D. complie time error

Answer: A

3.

```
#include<stdio.h>
int main(void)
{
    int result;
    int i=10,j=20;
    result=add(i,j);
    printf("i=%d \n",result);
    return 0;
}
int add(int a,int b)
{
    int result;
    result=a+b;
    return result, a+b, a-b;
}
```

A. Compile time error :function declaration is missing.
B. i=40
C. i=30
D. i=-10

Answer: D

4.

```
#include<stdio.h>
int myFunction(int,int);
int main(void)
{
    int result;
    int i=2,j=3;
    i=myFunction(i,j);
    printf("i=%d j=%d\n",i,j);
    return 0;
}
int myFunction(int a,int b)
{
    a=a+a;
    b=b+b;
    return b-b;
    return a-a;
}
```

A. i=0 j=0
B. i=4 j=0
C. i=4 j=6
D. i=0 j=3

Answer: D

5.

```
#include<stdio.h>
int function(int z);
int main(void)
{
    int z=111;

    z = z + function(z++);
    printf("result=%d",z);

    return 0;
}
```

```
int function(int z)
{
    return ++z;
}
```

A. result=225
B. result=224
C. result=222
D. result=223

Answer :B

6.

```
#include<stdio.h>
int main(void)
{
    if((printf("Hello C\n")-8))
    {
        main();
    }
    printf("Hello C\n");
    return 0;
}
```

A. stack overflow error
B. prints Hello C only once
C. prints Hello C twice
D. prints Hello C infinte number of times
Answer: C

7.

```
#include<stdio.h>
void fun(int);
int main( void )
{
    static int i=1; fun(i);
    return 0;
}
```

```
void fun(int i)
{
    static int j=1;
    i=j;j++;i++;
    printf("%d,",i);
    if(i<=3)
        fun(i);
}
```

A. 1,1,1
B. 2,2,3
C. 2,3,4
D. 3,4,5

Answer: C

8.

```
#include<stdio.h>
void rec(int);
int main()
{
    int a=3;

    rec(a);
    return 0;
}
void rec(int n)
{
    if(n>0)
    {
        rec(--n);
        printf(",%d",n);
        rec(--n);
    }
    else
        printf("\t");
}
```

A. ,1,2,0,0
B. ,0,1,2,1
C. ,0,1,2,0
D. ,0,1,0,0

Answer: C

9.

```
#include<stdio.h>
int main(void)
{
    int i;
    for(i=0;i<3;i++)
    {
      int x=0;
      static int y=0;
      printf("x=%d , y=%d \t",x++,y++);
    }
    return 0;
}
```

A. x=0,y=0 x=1,y=1 x=2,y=2
B. x=0,y=0 x=1,y=0 x=2,y=0
C. x=0,y=0 x=0,y=1 x=0,y=2
D. x=0,y=0 x=0,y=0 x=0,y=0

Answer: C

10.

```
#include<stdio.h>
register int i;
int main(void)
{
    printf("\n Enter value of i::");
    scanf("%d",&i);
    printf("\n i=%d i=%u", i, &i);
    return 0;
}
```

A. register variables can not declare globaly
B. we can not print the address of register variables
C. Both A and B
D. Run time error
Answer: C

11.
```
#include <stdio.h>
void func(void);
int main(void)
{
    func(); func();
    return 0;
}
void func(void)
{
    auto int i=0;
    register int j=0;
    static int k=0;
    i++;j++;k++;
    printf("i=%d j=%d k=%d\t",i,j,k);
}
```

A. i=1 j=1 k=1 i=1 j=1 k=2
B. i=0 j=0 k=0 i=0 j=0 k=0
C. i=1 j=1 k=1 i=2 j=2 k=2
D. compile time error

Answer: A

12.
The Statement extern int var is
A. Declaration of identifier var
B. Defination of identifier var
C. Declaration as well as defination
D. None of the above
Answer: A

13.
```
#include <stdio.h>
int main(void)
{
    extern int var=1000;
    printf(" var = %d",++var);
    return 0;
}
```
A. var = 1000
B. var = 0
C. var = 1001
D. compile time error

Answer: D

14.
```
#include <stdio.h>
int fun(float a);
int main( void )
{
    static float x;
    x=(float)fun(100);

    printf(" x = %.f ",x);
    return 0;
}
int fun(float a)
{
    return a ==100.0f ? 1000 : 500;
}
```

A. compile time error
B. x = 1000.000000
C. x = 500
D. x = 1000

Answer: D

15.

```
#include<stdio.h>
static int num=9;
int main(void)
{
    if(num<0)
      return 0;
    else if(num%2==1)
    {
        num--;
        printf("%3d,",num-=1);

    }
    else
    {
        printf("%3d,",num-=2);
    }
    main();
    return 0;
}
```

A. 8, 6, 4, 2, 0,
B. 8, 5, 4, 1, 0, -3,
C. 8, 6, 4, 2, 0, -2,
D. 7, 5, 3, 1, -1,

Answer: D

16.

```
#include<stdio.h>
int fun(int x,int y)
{
    if(x==0)
        return y;
    return fun(x-1,x+y);
}
```

```
int main(void)
{
    static int x=fun(2,2);
    printf("X is %d",x);
    return 0;
}
```

A. X is 5
B. X is 2
C. X is 3
D. Compile time error

Answer: D