

1.

```
#include<stdio.h>
int main(void)
{
    int one, two = 1, three;

    if(three = (two == 0)); one = 5; two = 3;
    printf("%d %d %d\n", three, two, one);

    return 0;
}
```

- A. 1 1 5
- B. 0 3 garbage value
- C. 0 1 5
- D. 0 3 5

Answer: D

2.

```
#include<stdio.h>
int main(void)
{
    int a = 1, b = 1, c;
    if( c = b < 0) a = 5;
    else if( b == 0) a = 7;
    else a = 9;
    printf("%d %d\n", a, c);
    return 0;
}
```

- A. 9 0
- B. 7 0
- C. 5 0
- D. Compiler error
- E. None of the above

Answer: A

3.

```
#include <stdio.h>
int main(void)
{
    int y = 1;

    if( y < 0)
        if( y > 0);
            printf("sunbeam pune\n");
        else
            printf("sunbeam karad\n");

    return 0;
}
```

- A. sunbeam pune
- B. sunbeam karad
- C. Nothing
- D. Compiler time error
- E. Run time error

Answer: D

4.

```
#include <stdio.h>
int main(void)
{
    int x = 3, y = z = 4;
    printf("%d\n", z >= y ? 1 : 0);
    return 0;
}
```

- A. 0
- B. 1
- C. Compile time error
- D. Runtime error

Answer: C

5.

```
#include <stdio.h>
int main(void)
{
    int i=1,j=2;
    switch(i)
    {
        default: printf("Sunbeam Pune");break;
        case 1+1-1: printf("Sunbeam Karad ");
        case 'j': printf("Sunbeam Market yard"); break;
    }
    return 0;
}
```

- A. Sunbeam Pune
- B. Sunbeam Karad
- C. Sunbeam KaradSunbeam Market yard
- D. Compiler time error
- E. Run time error

Answer: C

6.

```
#include<stdio.h>
int main(void)
{
    int x = 1, y = 1, z = 1;
    printf("%d ", z += x < y ? x++ : y++);
    printf("%d %d %d\n", x, y, z);
    return 0;
}
```

- A. 2 1 2 2
- B. 2 2 1 2
- C. 1 2 2 2
- D. 2 2 2 1
- E. 2 2 2 2

Answer: A

7.

```
#include <stdio.h>
int main(void)
{
    int k=1;
    switch(k++)
    {
        default : printf("0");
        case 1: case 2:printf("2");
        case 3*0: printf("1");
    }
    return 0;
}
```

- A. 12
- B. Compiler error
- C. runtime error
- D. 21

Answer: D

8.

```
#include <stdio.h>
int main(void)
{
    float i=1.5;
    switch((int)i)
    {
        case 1: printf("1");case 2:printf("2");
        default : printf("0");
    }
    return 0;
}
```

- A. 0
- B. 1
- C. Compiler error
- D. 120
- E. 2

Answer: D

9.

```
#include <stdio.h>
int main(void)
{
    int i,t=4;
    while(scanf("%d",&i)-t)
        printf("%d-%d ",t-- ,i);
    return 0;
} // Note : if the inputs are 0 1 2 3
```

- A. 3-0 2-1 1-2
- B. 4-0 3-1 2-2
- C. 3-1 2-2 1-3
- D. 4-1 3-2 3-3
- E. 0-4 1-3 2-1 3-0

Answer: B

10.

```
#include <stdio.h>
int main(void)
{
    unsigned int var = 1;

    while(var-- > -2)
        printf("PreCAT");
    return 0;
}
```

- A. 3 time preCAT
- B. no output - exit value zero
- C. Error
- D. None of the above
- E. no output - exit value other than zero

Answer: B

11.

```
#include <stdio.h>
int main(void)
{
    int itr=0;
    for(;itr++<0;printf("%d",itr)) ;
        printf("%d",itr);
    return 0;
}
```

- A. 0
- B. 1
- C. Nothing
- D. None of the above

Answer: B

12.

```
#include <stdio.h>
int main(void)
{
    int j ,val=9;
    for(j=0;j++ <= 4;j++)
    {
        if(NULL) val = j;
        else if(j%2==0) val = 1;
        else val = 0;
    }
    printf("%d %d\n", j, val);
    return 0;
}
```

- A. 5 9
- B. 5 1
- C. 7 0
- D. 7 9

Answer: C

13.

```
#include <stdio.h>
int main(void)
{
    int i=1;
    here:
    i=010;

    while (i<=5)
    {
        printf("%d",i);
        if (i>2)
            goto here;
        i++;
    }
    printf("sunbeam");

    return 0;
}
```

- A. 12345
- B. 123sunbeam
- C. 123sunbeam45
- D. sunbeam

**Answer:** D

14.

```
#include <stdio.h>
int main(void)
{
    int j;

    for(j=0;j++ <= 4;)
        printf("j=%d ",j++);

    return 0;
}
```

- A. `j=1 j=3 j=5`
- B. `j=1 j=3`
- C. Compiler Error
- D. None of the above

**Answer: A**

15.

```
#include <stdio.h>
int main(void)
{
    int i=1,j=3;
    do
    {
        switch(i)
        {
            case 2: j--;
            default: while(j) j-- + 1; break;
            case 1: i=j+1; j=j+1; break;
        }
    }while(j>=1);

    printf("%d %d\n", i, j);
    return 0;
}
```

- A. 4 0
- B. Infinite Loop
- C. Compiler time error
- D. None of the above

**Answer: A**

16.

```
#include <stdio.h>
int main(void)
{
    int i;
    i=printf("sunbeam")

    for(;i >= printf("sunbeam"); printf("sunbeam"))
        i-=1;

    printf("sunbeam");
    return 0;
}
```

- A. sunbeam will be printed 6 times
- B. sunbeam will be printed 5 times
- C. sunbeam will be printed 4 times
- D. sunbeam will be printed infinite times
- E. Compile time error

Answer: B