

1.

```
#include<stdio.h>
int main( void )
{
    int val1 = 0x64;
    int val2 = 064 + val1;
    int val3 = 0x72 + 072 + 72 - val1 + val2;

    printf("val2=%d val3=%d\n",val2,val3);

    return 0;
}
```

- A. val2=152 val3=296
- B. val2=150 val3=298
- C. val2=148 val3=288
- D. val2=154 val3=297

Answer: A

2.

```
#include <stdio.h>
int main( void )
{
    int num1,num2,num3;

    num1 = 144;
    num2 = 156;
    num3 = printf("%10d",++num1 )+ ++num2;

    printf(" %d",num3);
    return 0;
}
```

- A. 144 166
- B. 145 167
- C. 145 168
- D. 144 167

Answer: B

3.

```
#include <stdio.h>
int main( void )
{
    int i = 100;
    int j = 200;

    printf("%d",++( i + j ));

    return 0;
}
```

- A. 300
- B. 301
- C. 302
- D. Compile time error

Answer: D

4.

```
#include <stdio.h>
int main( void )
{
    int val1, val2, val3;
    val1 = 11, (22), 33;
    val2 = ((44 , 55) , 66) ;
    val3 = (77) , 88 , 99 ;

    printf("val1=%d val2=%d val3=%d", val1, val2, val3);

    return 0;
}
```

- A. val1=11 val2=66 val3=77
- B. val1=33 val2=66 val3=99
- C. val1=11 val2=44 val3=77
- D. val1=33 val2=44 val3=99

Answer: A

5.

```
#include<stdio.h>
int main( void )
{
    printf("\n %.2f",sizeof('A' + 'a')/8.0f);

    return (0);
}
```

- A. 0.50
- B. 1.00
- C. 0.12
- D. 0.25

Answer: A

6.

```
#include<stdio.h>
int main( void )
{
    int num1 = 0, num2 = -1 , num3 = -2, num4 = 1, ans;

    ans = num1++ && num2++ || ++num4 && num3++;

    printf("%d %d %d %d %d",num1, num2, num3, num4, ans);

    return 0;
}
```

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

Answer: D

7.

```
#include<stdio.h>
int main( void )
{
    int val=0;

    ++val && ++val==1 && --val;

    printf(" val=%d ", val);
    return 0;
}
```

- A. val=3
- B. val=2
- C. val=1
- D. val=0

Answer: B

8.

```
#include<stdio.h>
int main( void )
{
    int x1=1, x2=2, x3=3;
    int val=!((x1+x2)<(x3-1));

    printf(" val=%d ", !val);

    return 0;
}
```

- A. val=0
- B. val=1
- C. val=2
- D. garbage value

Answer: A

9.

```
#include<stdio.h>
int main( void )
{
    int var1=10,var2=20;

    var2-= var1--;
    printf("var2=%d var1=%d",var2, var1);

    return 0;
}
```

- A. var2=11 var1=9
- B. var2=10 var1=9
- C. var2=11 var1=10
- D. var2=10 var1=10

Answer: B

10.

```
#include <stdio.h>
int main( void )
{
    int num1 = 1, num2 = 0, num3 = 5;

    int ans1 = num1 && num2++ && num3++;

    int ans2 = --num1 || ++num2 && num3++;

    printf("num2=%d num3=%d ", num2,num3);
    printf("ans1-ans2=%d ", ans1-ans2);
    return 0;
}
```

- A. num2=1 num3=7 ans1-ans2= 1
- B. num2=1 num3=6 ans1-ans2=-1
- C. num2=2 num3=7 ans1-ans2= 0
- D. num2=2 num3=6 ans1-ans2=-1

Answer: D

11.

```
#include <stdio.h>
int main( void )
{
    int i = 0, j=0;

    j = !(!( ++i && (i++ == 1)));

    printf("\n i=%d j=%d",i, j);

    return 0;
}
```

- A. i=2 j=1
- B. i=1 j=1
- C. i=2 j=0
- D. i=1 j=1

Answer: A

12.

```
#include <stdio.h>
int main( void )
{
    int num1 = 0;
    float num2=100.9999f;
    double num3=200.8888;

    printf("%.6f", (float)sizeof(num1+num2+num3)/1.0f);

    return 0;
}
```

- A. 16.000000
- B. 12.000000
- C. 08.000000
- D. 8.000000

Answer: D

13.

```
#include <stdio.h>
int main( void )
{
    int num1, num2, num3;
    num1 = 10/ 2 + 5 *3;
    num2 = num1++ * 5;
    num3 = ++num2 / 2;

    printf("\n num1=%d num2=%d num3=%d", num1, num2, num3);
    return 0;
}
```

- A. num1=21 num2=101 num3=50
- B. num1=21 num2=105 num3=52
- C. num1=20 num2=100 num3=50
- D. num1=20 num2=101 num3=51

Answer: A

14.

```
#include <stdio.h>
int main( void )
{
    int val1 = 16, val2 , val3, ans;

    val2= ~~val1;
    val3= ~val2, val2+1;
    ans= val1 + val2+ val3;
    printf("\n ans=%d", ans);
    return 0;
}
```

- A. ans = 15
- B. ans = 48
- C. ans = 17
- D. ans = 16

Answer: A

15.

```
#include <stdio.h>
int main( void )
{
    printf("\n ans1=%d ans2=%x ans3=%o", 0100,0100,0100);

    return 0;
}
```

- A. ans1=64 ans2=40 ans3=100
- B. ans1=100 ans2=100 ans3=0100
- C. ans1=64 ans2=64 ans3=0100
- D. ans1=40 ans2=40 ans3=0100

Answer: A

16.

```
#include<stdio.h>
int main( void )
{
    int num1=-10;
    unsigned int num2=10;

    int ans= !(num1<num2);
    printf("\n ans=%d", ans);
    return 0;
}
```

- A. ans = 0
- B. ans = 1
- C. ans =-10
- D. ans = 10

Answer: A