1. **Predict the output of the following code snippet.**

```c
#include
int main()
{
    int a = 100, b = 200, c;
    c = (a == 100 || b > 200);
    printf("c=%d\n", c);
    return 0;
}
```

- ○ c=100
- ○ c=200
- ◉ c=1
- ○ c=300

2. **Predict the output of the following code snippet.**

```c
#include<stdio.h>
void main()
{
    int x = 0, y = 2, z = 3;
    int a = x & y | z;
    printf("%d",a);
}
```

- ○ Run time error
- ○ 0
- ○ 2
- ◉ 3

3. **Predict the output of the following code snippet.**

```c
#include<stdio.h>
void main()
{
    int z,x=5,y=-10,a=4,b=2;
    z=x++ - --y *b/a;
    printf("\n%d", z);
}
```

- ○ Compile-time error
- ◉ 10
- ○ -5
- ○ -10

4. **What will be the output of the following C code?**

```c
#include<stdio.h>
void main()
```

```
{
    int x = 2;
    x = x << 1;
    printf("%d\n", x);
}
```

- ⦿ 4
- ○ 2
- ○ Compile-time error
- ○ No output

5.

Predict the output.

```
#include<stdio.h>
int main()
{
        int a=10,b=5;
        a++||++b;
        printf("%d %d",a,b);
        return 0;
}
```

- ○ 10 5
- ○ Compile time error
- ⦿ 11 5
- ○ 11 6

6.

What will be the output of the following code?

```
#include <stdio.h>
int main()
{
    int x = 4, y, z;
    y = --x;
    z = x--;
    printf("%d %d %d", x,  y, z);
    return 0;
}
```

- ⦿ 2 3 3
- ○ 4 3 2
- ○ 4 3 3
- ○ 2 4 3

7.

What is the output of the following code?

```c
#include <stdio.h>
int main()
{
    int a = 1;
    int b = 2;
    printf("%.2f", 1 / 2);
}
```

- ○ 0.50
- ○ 0.500000
- ○ 0.000000
- ● 0.00

8. Pair the following correctly.

1	Arithmetic Operators	A	=, +=, -=, *=, /=, %=
2	Relational Operators	B	&&, ||, !
3	Assignment Operators	C	>, >=, <, <=, !=, ==
4	Logical Operators	D	+, -, *, /, %

- ○ 1-A, 2-B, 3-C, 4-D
- ○ 1-D, 2-C, 3-B, 4-A
- ○ 1-D, 2-B, 3-C, 4-A
- ● 1-D, 2-C, 3-A, 4-B

9. Which of the following operators is used to find the memory occupied by a data type (in bytes)?

- ○ size()
- ● sizeof()
- ○ ofsize()
- ○ sizeofdatatype()

10.

Predict the output of the following program?

```c
#include <stdio.h>
int main()
{
    int a = 2, b = 3, c = 4;
    a += b;
    b += c;
    a -= c;
    c *= a;
    b += c;
    a *= b;
    b -= a;
    printf("%d %d %d", b, a, c);
}
```

- ○ 4 11 0
- ○ 0 4 11
- ● 0 11 4
- ○ 4 0 11

11. **What is the purpose of the `sizeof` operator in C?**

- ● Returns the size of a variable
- ○ Returns the address of a variable
- ○ Returns the value of a variable
- ○ Returns the type of a variable

12. **Which operator is used for logical AND in C?**

- ○ &
- ○ ||
- ● &&
- ○ !

13. **Which of the following is the correct syntax for the ternary conditional operator in C?**

- ● ? :
- ○ ??
- ○ if then else
- ○ switch

14. **What is the output of the following code if the value of give and receive is 500 and 900, respectively?**

Input give, receive

lost = receive - give

perc = (lost / receive) * 100

Print(perc)

○ 55.55

◉ 44.44

○ 55.4

○ 64.7

15. **What is the output for the following code, if the value of a is 20 and b is 35?**
    Integer a, b
    Input a, b
    a = b
    b = a
    Print(a,b)

    ○ 20 35

    ◉ 35 35

    ○ 20 20

    ○ 35 20