**1. Which of the following is an arithmetic operator in C#?**

a) && b) || c) + d) !=  
**Answer:** c) +

**2. What will be the output of Console.WriteLine(5 % 2);?**

a) 0  
b) 1  
c) 2  
d) 5  
**Answer:** b) 1

**3. Which of the following is NOT a relational operator in C#?**

a) ==  
b) !=  
c) &&  
d) >=  
**Answer:** c) &&

**4. What does the sizeof() operator return in C#?**

a) Number of elements in an array  
b) Size of a data type in bytes  
c) Address of a variable  
d) None of the above  
**Answer:** b) Size of a data type in bytes

**5. What is the result of true && false in C#?**

a) true  
b) false  
c) 1  
d) Compilation error  
**Answer:** b) false

**6. Which of the following operators has the highest precedence?**

a) +  
b) \*  
c) &&  
d) =  
**Answer:** b) \*

**7. The bitwise AND operator & operates on:**

a) Floating-point numbers  
b) Boolean values only  
c) Integer values at the bit level  
d) Strings  
**Answer:** c) Integer values at the bit level

**8. What will be the output of int x = 5; x <<= 1; Console.WriteLine(x);?**

a) 2  
b) 5  
c) 10  
d) 15  
**Answer:** c) 10

**9. Which operator is used to check if an object is of a specific type?**

a) as  
b) is  
c) typeof()  
d) sizeof()  
**Answer:** b) is

**10. What does the conditional operator ?: do?**

a) Assigns a value based on a condition  
b) Checks if two values are equal  
c) Converts a value to another type  
d) None of the above  
**Answer:** a) Assigns a value based on a condition