**1. What is a method in C#?**

A) A special type of variable  
B) A group of statements that perform a task  
C) A type of loop  
D) A conditional statement

**Answer:** B) A group of statements that perform a task

**2. What is the correct syntax to define a method in C#?**

A) returnType methodName(parameterList) { methodBody }  
B) methodName returnType(parameterList) { methodBody }  
C) methodName(parameterList) returnType { methodBody }  
D) returnType(parameterList) methodName { methodBody }

**Answer:** A) returnType methodName(parameterList) { methodBody }

**3. What is the default access specifier for a method if none is specified?**

A) public  
B) private  
C) protected  
D) internal

**Answer:** B) private

**4. Which keyword is used to define a method that does not return a value?**

A) void  
B) return  
C) null  
D) none

**Answer:** A) void

**5. How do you call a method in C#?**

A) By writing its name followed by parentheses  
B) By using the call keyword  
C) By using the invoke keyword  
D) By declaring it inside Main

**Answer:** A) By writing its name followed by parentheses

**6. What is a recursive method?**

A) A method that calls another method  
B) A method that is called only once  
C) A method that calls itself  
D) A method that never executes

**Answer:** C) A method that calls itself

**7. What does "passing parameters by value" mean?**

A) The method modifies the original variable  
B) The method works with a copy of the argument  
C) The method stores values in a list  
D) The method can return multiple values

**Answer:** B) The method works with a copy of the argument

**8. Which keyword is used to pass parameters by reference?**

A) ref  
B) out  
C) return  
D) value

**Answer:** A) ref

**9. What is the difference between ref and out parameters?**

A) ref requires initialization before passing, out does not  
B) out requires initialization before passing, ref does not  
C) ref and out are interchangeable  
D) out cannot be used in methods

**Answer:** A) ref requires initialization before passing, out does not

**10. What is the purpose of method parameters?**

A) To define a method's return type  
B) To specify the method name  
C) To pass data to a method  
D) To specify the access specifier

**Answer:** C) To pass data to a method