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

A) A variable that can be changed during program execution  
B) A fixed value that cannot be altered after its definition  
C) A keyword used for defining loops  
D) A special operator in C#

**Answer:** B) A fixed value that cannot be altered after its definition

**2. Which keyword is used to define a constant in C#?**

A) static  
B) const  
C) readonly  
D) final

**Answer:** B) const

**3. What type of literals can be used in C#?**

A) Integer, Floating-point, Character, String  
B) Boolean, Integer, Floating-point  
C) String, Character, Boolean  
D) Enumeration, Integer, String

**Answer:** A) Integer, Floating-point, Character, String

**4. Which of the following integer literals is invalid in C#?**

A) 0xFeeL  
B) 0213  
C) 078  
D) 215u

**Answer:** C) 078 (Octal numbers in C# should not contain digits beyond 7)

**5. How is a floating-point literal represented in C#?**

A) Using only decimal notation  
B) Using only scientific notation  
C) Using decimal or exponential form  
D) Only in hexadecimal format

**Answer:** C) Using decimal or exponential form

**6. Which of the following is a valid floating-point literal in C#?**

A) 314159E-5L  
B) .e55  
C) 210f  
D) 510E

**Answer:** A) 314159E-5L

**7. Which of these is a correct representation of a character literal in C#?**

A) "x"  
B) 'x'  
C) char x = x;  
D) 'Hello'

**Answer:** B) 'x'

**8. What escape sequence is used for a new line in C#?**

A) \b  
B) \t  
C) \n  
D) \r

**Answer:** C) \n

**9. How do you define a string literal that ignores escape sequences in C#?**

A) "Hello\tWorld"  
B) @"Hello\tWorld"  
C) #Hello World#  
D) \$Hello World\$

**Answer:** B) @"Hello\tWorld"

**10. What will be the output of the following code?**

const double pi = 3.14159;

double r = 3;

double areaCircle = pi \* r \* r;

Console.WriteLine(areaCircle);

A) Compilation error  
B) 3.14159  
C) 28.27431  
D) 9.42477

**Answer:** C) 28.27431