Part 01

Question 1:

What is the primary purpose of an interface in C#?

a) To provide a way to implement multiple inheritance

b) To define a blueprint for a class (Correct Answer)

c) To declare abstract methods and properties

d) To create instances of objects

Question 2:

Which of the following is NOT a valid access modifier for interface members in C#?

a) private (Correct Answer)

b) protected

c) internal

d) public

Question 3:

Can an interface contain fields in C#?

a) Yes

b) No (Correct Answer)

c) Only if they are static

d) Only if they are read only

Question 4:

In C#, can an interface inherit from another interface?

a) No, interfaces cannot inherit from each other

b) Yes, interfaces can inherit from multiple interfaces (Correct Answer)

c) Yes, but only if they have the same methods

d) Only if the interfaces are in the same namespace

Question 5:

Which keyword is used to implement an interface in a class in C#?

a) inherit

b) use

c) extends

d) implements (Correct Answer)

Question 6:

Can an interface contain static methods in C#?

a) Yes

b) No (Correct Answer)

c) Only if the interface is sealed

d) Only if the methods are private

Question 7:

In C#, can an interface have explicit access modifiers for its members?

a) Yes, for all members

b) No, all members are implicitly public (Correct Answer)

c) Yes, but only for abstract members

d) Only if the interface is sealed

Question 8:

What is the purpose of an explicit interface implementation in C#?

a) To hide the interface members from outside access

b) To provide a clear separation between interface and class members (Correct Answer)

c) To allow multiple classes to implement the same interface

d) To speed up method resolution

Question 9:

In C#, can an interface have a constructor?

a) Yes, but it must be private

b) No, interfaces cannot have constructors (Correct Answer)

c) Yes, but only if the interface is sealed

d) Only if the constructor is static

Question 10:

How can a C# class implement multiple interfaces?

a) By using the "implements" keyword

b) By using the "extends" keyword

c) By separating interface names with commas (Correct Answer)

d) A class cannot implement multiple interfaces