**<https://www.tutorialsteacher.com/online-test/csharp-test5>**

**Question 1: What will be the output of the following C# 7 code?**

**int Sixteen = 0b0001\_0000;**

**Console.WriteLine(Sixteen);**

* **16**

**question 2: Which of the following can contain event declarations?**

* **All of the above**

**Question 3: What will be the output of the following program?**

**static void Main(string[] args)**

**{**

**Action<int> DoSomething = i => Console.Write(i);**

**DoSomething(50);**

**}**

* **50**

**Question 4: Which of the following statement is TRUE?**

* **Anonymous method can access outer variables or functions.**
* **Anonymous method cannot contain jump statements like goto, break or continue.**
* **Anonymous method cannot access ref or out parameter of an outer method.**
* **All of the above.**

**Question 5: Which of the following can be defined generic?**

* **Struct**
* **Delegate**

**Question 6: Which of the following generic constraints restricts the generic type parameter to an object of the class?**

* **class Processor<T> where T:class**

**Question 7: Interface members are \_\_\_\_\_\_ by default.**

* **Public**

**Question 8: What to do if a class implements two interfaces which coincidently have one method with the same name and signature?**

* **Implement at least one interface explicitly.**

**Question 9: Can one interface inherit from one or multiple interfaces in C#?**

* **Yes**

**Question 10: What will be the output of the following program?**

**class Shape**

**{**

**protected int Sides { get; set; }**

**}**

**class Square : Shape**

**{**

**public int GetSides()**

**{**

**return this.Sides;**

**}**

**}**

**Shape sq = new Square();**

**sq.Sides = 4;**

* **It will give a compile-time error.**

**Question 11: What will be the output of the following program?**

**class Person**

**{**

**public void Introduction(int age, string name){**

**Console.WriteLine("My name is " + name);**

**}**

**public void Introduction(string name, int age=0){**

**Console.WriteLine($"My name is {name} and I am {age} years old");**

**}**

**}**

**Person p = new Person();**

**p.Introduction("Steve");**

* **My name is Steve and I am 0 years old.**

**Question 12: What will be the output of the following program?**

**class Printer**

**{**

**public virtual void Install()**

**{**

**Console.WriteLine("Printer Installed.");**

**}**

**public virtual void Print(string text)**

**{**

**Console.WriteLine("Printing: " + text);**

**}**

**}**

**class LaserPrinter : Printer**

**{**

**public void Install()**

**{**

**Console.WriteLine("Laser Printer Installed Successfully.");**

**}**

**}**

**Printer myprnt = new LaserPrinter();**

**myprnt.Install();**

* **Printer Installed.**

**Question 13: Which of the following static class will you use for file I/O operations?**

* **File**

**Question 14: Which of the following class is the base class for all I/O operations from different sources?**

* **System.IO.Stream**

**Question 15: What will be the output of the following C# 7.0 code?**

**public class Program**

**{**

**public static void Main()**

**{**

**var input = "100";**

**if (int.TryParse(input, out int result))**

**Console.WriteLine(result);**

**else**

**Console.WriteLine("Could not parse input");**

**}**

**}**

* **Compile-time error**