**Section # 1 True / False**

Q1. Hashtable is generic and Dictionary is non-generic?

1. True
2. False

Q2. A method with void return type can only return null or nothing?

1. True
2. False

Q3. We can have a private constructor in C#?

1. True
2. False

Q4. override and virtual are two keywords required for Polymorphism.

1. True
2. False

Q5. An abstract method’s body is provided either by the derived = or base class?

1. True
2. False

Q6. An abstract class can only be used as base class?

1. True
2. False

**Section #2, choose correct option(s)**

Q1. We can create an instance of:

1. private class b) interface c) abstract class d) none of these

Q2. Dictionary is preferred than Array in your application?

1. when you need a jagged collection structure
2. when you need to store key-value pairs rather than single values
3. when you need to store values of the same type
4. when you need an ordered, searchable list

Q3. We can make a method in an abstract class overridable by making it?

1. public
2. static
3. virtual
4. private

Q4) Correct syntax to create automatic property int Age?

1. public int Age ( get; set; )
2. public int Age { get; set; }
3. public int Age: get set:
4. public int Age { get, set };

Q5) We use generics in code?

1. to increase performance
2. for type safety
3. all of those
4. to make code reusable

**Section #3, short questions**

Q1. Explain **??** in C#?

Q2. Explain **Abstraction** as pillar of OOP?

Q3. What does **const** keyword do when we use it with a variable e.g. const int age = 10;

Q4. What is string **interpolation**?

Q5. What will be the output of the following lines of code?

String username = “Asad”;

Int salary = 10000;

Console.WriteLine(salary + username);

Q.6 Explain explicit casting with an example?

Q7. What is difference between **Convert.ToInt32** and **Int32.Parse**?

Q8. How we get user input in console application using C#?

Q9. Why use inheritance?

Q10. What will be the output of following line of code?

Console.WriteLine(“My name is Ali and \n my age is 26”);

Q11. Explain Ternary Operator in C# with example?

Q12. Explain **protected** keyword in C#?

Q13. Why **Encapsulation** is important?

Q14. When and why to use **interfaces**?