**OOPS + C# BASED**

What is inheritance?

What is polymorphism? State difference between static polymorphism and dynamic polymorphism. Discuss runtime and compile time polymorphism with example.

What is the difference between method overriding and method overloading? Define the different ways a method can be overloaded.

What are sealed classes and sealed method in C#?

Distinguish between ref and out parameters

What are the differences between classes and struct on the basis of following criteria (data types, inheritance, destructors, assignment)?

What is garbage collection in C#? How does the garbage collection in C# determines which objects are eligible for garbage collection?

Define late binding and early binding in C#

Define what is boxing and unboxing in C# also write a C# program to show boxing and unboxing example.

Explain the meaning of namespace by giving the steps involved in creating a namespace.

What is the difference between public, static and void

What is serialization?

What are the value types and reference types?

What is the difference between array.copyto() and array.clone()

What is dynamic data type in C#?

**DOTNET BASED**

Define CLS and CTS in .net framework.

What is the use of Microsoft Intermediate Language (MIL) and JIT Compiler in .net framework?

Write a C# program that demonstrates the use of the common language runtime (CLR).

Explain the concept of a solution in visual studio. how does it organize projects.

**WINDOWS FORMS APP**

State 5 properties of following control: textbox, combobox, data time picker.

In detail explain RichTextBox of Windows Forms App , its properties, uses and other major important things.