

**Topic – OOPS Fundamentals**

B1	What Is class in Object Oriented Programming Language ?
B2	What is an Object in Object Oriented Programming Language ?
B3	What Is Difference Between Class And Interface ?
B4	What Is Method Overloading in Object Oriented Programming Language?
B5	What Is Data hiding in Object Oriented Programming Language ?
B6	What are the differences between abstract classes and interfaces?
B7	What are the Virtual Function in Object Oriented Programming ?
B8	What is Constructor in Object Oriented Programming ?
B9	What is Abstract class in Object Oriented Programming?
B10	What is Final Keyword in Object Oriented Programming?
B11	What is Pure Virtual function in Object Oriented Programming?
B12	What are Sealed Modifier in Object Oriented Programming?
B13	What is Dynamic or run time Polymorphism in oops ?
B14	What is Access Modifier in Object Oriented Programming ?
B15	What is Friend Function in Object Oriented Programming?
B16	What is Overriding in Object Oriented Programming?
B17	What is the role of mutable storage class specifier?



B18	Distinguish between shallow copy and deep copy ?
B19	what is a Refrence variable in Object oriented Programming Language ?
B20	What is a Copy Constructor ?
B21	What is this Pointer in Object oriented Programming Language ?
I1	Define Constructor and Destructor?
I2	How to Load Classes in Object Oriented Programming ?
I3	How to Call Parent Constructor ?
I4	Are Parent Constructor Called Implicitly When Create An Object Of Class?
I5	What Happen, If Constructor Is Defined As Private Or Protected?
I6	Define New-style Constructor & Old-style Constructor. Check which One Will Be Called?
I7	Create Abstract class and method?
I8	Define 3 types of visibility of data member & member function.
I9	Create a method which will never inherited ?
I10	What is the difference between Abstract class and Interface?
I11	Create parent class for car and child class for car_model and use car functionality in car_model class ?.



I12	Override the parent's properties and methods in the child class ?
I13	Prevent the child class from overriding the parent's methods ?
I15	Declare classes and methods as abstract ?
I16	Can we have non abstract methods inside an abstract class? Explain With Example ?
I17	How to create child classes from an abstract class?
I18	What are Magic Methods/Functions? List them in OOPS ?
I19	How can we used Virtual Fuction write an examples in oops ?
I20	How can we Used various type of Constructor write an Examples in oops ?
I21	Which Constructor have no Parameter write an Examples in oops ?
I22	How to Secured Internal Data using Encapsulation Write a Example in oops ?
A1	Write a Programme to create a Class in OOPS ?
A2	Write a Programme to Create a Object in OOPS ?
A3	Write a Programme to Create an Abstract Class In OOPS ?
A4	Write a Programme to Create a Encapsulation in OOPS ?
A5	How to Implement Access Modifier Write a Programme in OOPS ?



A6	Write a Programme of Copy Constructor in OOPS ?
A7	Declare and implement an interface and implement more than one interface in the same class.
A8	How to implement the polymorphism principle in OOPS ?
A9	Explain Scope resolution operator with example in OOPS ?.
A10	How to Access child class property to Parent class write an Programme in OOPS ?
A11	Write a Programme of how to define Interface In OOPS ?
A12	Write a Programme of how to define a Constructor in OOPS ?
A13	How to define a default constructor write a Programme in OOPS ?