**OOPS questions**

**1. What is OOPs?**

### ****2. Difference between Procedural programming and OOPs?****

### ****3. Why use OOPs?****

### ****4. What are the basic concepts of OOPs?****

### ****5. What is Encapsulation?****

### ****6. What is Abstraction?****

### ****7. What is method overloading?****

### ****8. What is method overriding?****

### ****9. Types of Inheritance in OOPS****

### ****10. What is an object?****

### ****11****. ****What is Method?****

### ****12. What is a class?****

### ****13****. ****What are constructors?****

### ****14. Types of constructor****

### ****15****. ****What is the difference between a class and a structure?****

### ****16****. ****What are the access modifiers?****

### ****17. What languages come under the oops concept?****

### ****18. What is inheritance?****

### ****19****. ****What is hybrid inheritance?****

### ****20. What is hierarchical inheritance?****

### ****21. What are the limitations of inheritance?****

### ****22****. ****What is a superclass?****

### ****23. What is a subclass?****

### ****24****. ****What is Polymorphism?****

### ****25****. ****What is static polymorphism?****

### ****26. What is dynamic polymorphism?****

### ****27****. ****What is operator overloading?****

### ****28****. ****Differentiate between overloading and overriding.****

### ****29****. ****What is encapsulation?****

### ****30****. ****What is the difference between public, private and protected access modifiers?****

### ****31****. ****What is data abstraction?****

### ****32****. ****How to achieve data abstraction?****

### ****33. What is an abstract class?****

### ****34. Differentiate between data abstraction and encapsulation.****

### ****35****. ****What are virtual functions?****

### ****36****. ****What is a destructor?****

### ****37****. ****What is a copy constructor?****

### ****38****. ****What is the use of ‘finalize’?****

### ****39****. ****What is Garbage Collection(GC)?****

### ****40****. ****What is a final variable?****

### ****41****. ****What is an exception?****

### ****42****. ****What is exception handling?****

### ****43****. ****What is the difference between an error and an exception?****

### ****44. What is a try/ catch block?****

### ****45****. ****What is a finally block?****

### ****46****. ****Can you call the base class method without creating an instance?****

### ****47. What is the difference between OOP and SOP?****

### ****48.**** ****What is the difference between a class and an object?****

### ****49.**** ****What are ‘access specifiers’?****

### ****50.**** ****Can you create an instance of an abstract class?****

### ****51.**** ****What is an interface?****

### ****52.**** ****What are pure virtual functions?****

### ****53.**** ****Differentiate between a class and a method.****

### ****54.****  ****Differentiate between an abstract class and an interface?****

### ****55.**** ****What are the limitations of OOPs?****

### ****56. What are the characteristics of an abstract class?****

### ****57. What is constructor chaining?****

### ****58. What is Coupling in OOP, and why is it helpful?****

### ****59. Name the operators that cannot be overloaded****

### ****60. What is Cohesion in OOP?****

### ****61. What are the levels of data abstraction?****

### ****62. What are the types of variables in OOP?****

### ****62. What are the types of variables in OOP?****