OOP LAB VIVA QUESTIONS (03-11-2022)

Question 1	Question 2	Question 3	If more than 3 questions are asked, write down below
difference between overriding and overloading	abstract class	multiple inheritance	
Difference b/w class and object	Difference b/w public and protected variables	What is constructor	Write syntax of copy constructor. Show how to initialize static variable. What is use of super keyword What is this pointer
Types of inheritance and multipath inheritance	Why Friend function is used	Why use inline function rather then non inline function	
what is constructor chain	difference between override and overload	what is constructor overloading	order of constructor calling in multilevel and multiple inheritance what is virtual function and why is it used
What is abstract class?	Use of abstract class?	What is the need of oop?	4. Difference between c++ and c? 5. What is overloading ? 6. Types of overloading? 7. Constructor Overloading? 8. Copy constructor mechanism 9. Template 10. If arguments are interchanged in parameterized constructor what happens ? 11. What is exceptional handling? 12. Constructor in inheritance
Pure Virtual Function	Operator Overloading Syntax	Abstract Class	
inline function no inline function	what is friend function and its use	explain data abstraction	explain polymorphism overloading and overriding explain overloading run time and compile time polymorphism
Multipath inheritance & its diagram explanation	Pure virtual function & syntax	Abstract class & syntax	Abstraction class, Private class(private members, protected,

			members and public members difference), Virtual function, Body present or not in abstract class & why, Hierarchical inheritance, Friend function,etc.
Types of Inheritance	Inline function	Default arguments	
Different types of inheritance	Reference operator	What is abstract class and state it's uses	What is encapsulation and where data is stored 5 differences between c and c++
Operator overlading	Private public difference	Inheritance multiple	
What is encapsulation	What is inheritance	Friend function	
Inheritance	syntax of inheritance super classes encapsulation use the meaning of copy constructor. inline function		
Properties of Oops	Static and non static datatype	Function overriding	Difference between structure and classes Operator overloading Types of inheritance Friend function How to use scope resolution operator
1. What is virtual function and pure virtual function(how to declare a function virtual).Define Abstract base class.	2.What is static member function and it's use.	3.Difference between private and protected data member.	4.Difference in c and c++ 5.class and structure difference 6.what is function overloading and function overriding
Question 2	Question 3	Question 4	If more than 3 questions are asked, write down below
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Difference b/w class and object	Difference b/w public and protected variables	What is constructor	Write syntax of copy constructor. Show how to initialize static variable. What is use of super keyword What is this pointer
Types of inheritance and multipath inheritance	Why Friend function is used	Why use inline function rather then non inline function	

Copy constructor ka syntax
Pvt n protected diff.
Initialosation of static member
Which operator can't be overload-
  Ans-(Ternary
    -Scope resolution operatpr
    -Dot operator)
Super class
Base abstract class
C and cpp diff.
Virtual fn
Func overloading and overriding diff.
Dw class and structure
Multiple, multilevel
Static member func.
   -Memory allocation number-1
Data slicing
Func overloading
Virtual and virtual pure func ka diff.
Abstract class and it's adv and
Reference variable what, can we create
Scope resolution operator
   -int 5;
    Int main()
   int 10; ... Q- how to print 5 (ans- cout<< ::5;)
Incapsulation
data hiding in class not in structure
How to make a class abstract
How to make a fn pure.
Dw object n class
What's static member fn
How can youbuse a friend fn to access the pvt members of a class
Inheritance
Fn overriding
Ob.class_name::fn name- base class fn is called during fn overriding