

Department of Computer Science and Engineering

Object Oriented Programming Through Java (25CS303)

Unit wise Question Bank

UNIT-II				
S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
S.No	Questions	BT	CO	PO
1	Define a class and an object in Java.	L1	CO2	PO1
2	What is a constructor? Mention its types.	L1	CO2	PO1
3	What is the purpose of the this keyword?	L1	CO2	PO1
4	Differentiate Method Overloading and Method Overriding.	L1	CO2	PO2
5	Explain the significance of the static keyword in Java.	L1	CO2	PO1
6	Define Inheritance and name its types supported in Java.	L1	CO2	PO1
7	What is the purpose of the super keyword?	L1	CO2	PO2
8	What is an Abstract Class and an Abstract Method?	L1	CO2	PO1
9	Define an Interface in Java.	L1	CO2	PO1
10	What is a Package? List two advantages of using packages.	L1	CO2	PO1
Part – B (Long Answer Questions)				
11	Explain class definition, object creation, and instance variable access with a complete Java program.	L2	CO2	PO2
12	Discuss Constructor Overloading and Method Overloading with suitable Java code examples.	L2	CO2	PO3
13	Explain Single, Multilevel, and Hierarchical Inheritance in Java with proper code examples.	L2	CO2	PO2
14	Why does Java not support Multiple Inheritance using classes? Explain how Interfaces resolve this issue.	L2	CO2	PO3
15	Explain Method Overriding and Dynamic Method Dispatch (Runtime Polymorphism) with an example.	L3	CO2	PO3
16	Discuss the final keyword when applied to variables, methods, and classes in Java.	L2	CO2	PO2
17	Compare Abstract Classes and Interfaces in Java with clean syntax and code examples.	L2	CO2	PO2
18	Explain how to create, compile, package, and import user-defined packages in Java step-by-step.	L3	CO2	PO3
19	Explain the four Access Modifiers (private, default, protected, public) and their visibility rules.	L2	CO2	PO2
20	Write a Java program demonstrating interface inheritance and implementing multiple interfaces in a single class.	L3	CO2	PO3