

Department of Computer Science and Engineering

Object Oriented Programming Through Java (25CS303)

Unit wise Question Bank

UNIT-IV				
EVENT HANDLING				
S.No	Questions	BT	CO	PO
Part – A (Short Answer Questions)				
1	What is an I/O Stream in Java?	L1	CO4	PO1
2	Differentiate Byte Streams and Character Streams.	L1	CO4	PO2
3	What is the purpose of FileInputStream and FileOutputStream?	L1	CO4	PO1
4	Define Serialization and Deserialization.	L1	CO4	PO1
5	What is the Java Collections Framework?	L1	CO4	PO1
6	Differentiate ArrayList and LinkedList.	L1	CO4	PO2
7	Differentiate Set and List interfaces.	L1	CO4	PO2
8	What is a HashMap? Mention its features.	L1	CO4	PO1
9	What are Generics in Java? Give syntax.	L1	CO4	PO1
10	Differentiate Iterator and ListIterator.	L1	CO4	PO2
Part – B (Long Answer Questions)				
11	Explain Java I/O Stream classification (Byte vs Character Streams) with class hierarchy and examples.	L2	CO4	PO2
12	Write a Java program to copy the contents of one text file to another using File Streams.	L3	CO4	PO3
13	Explain Object Serialization and Deserialization in Java using the Serializable interface with a complete program.	L2	CO4	PO3
14	Overview the Java Collections Framework hierarchy. Explain main interfaces: Collection, List, Set, and Map.	L2	CO4	PO2
15	Compare ArrayList, Vector, and LinkedList classes with syntax and performance characteristics.	L2	CO4	PO2
16	Explain HashSet and TreeSet with Java code examples highlighting element ordering and performance.	L2	CO4	PO2
17	Explain HashMap and TreeMap operations with a Java program demonstrating key-value storage and traversal.	L3	CO4	PO3
18	Explain Generic Classes and Generic Methods in Java with code examples and advantages.	L2	CO4	PO3
19	Explain Bounded Type Parameters and Wildcards (?, ? extends T, ? super T) in Java Generics.	L2	CO4	PO2
20	Write a Java program using ArrayList and Iterator to manage and display student records (ID, Name, Marks).	L3	CO4	PO3