

Hour	Unit	Topic	Teaching Methodology	Remarks
1	I	Introduction to Java & Evolution of Java	Whiteboard	
2	I	Java Buzzwords & Java Virtual Machine	Whiteboard	
3	I	Overview of Java & Simple Java Program	Whiteboard	
4	I	Naming Conventions in Java	Whiteboard	
5	I	Data Types and Variables	Whiteboard	
6	I	Expressions & Automatic Type Conversion	Whiteboard	
7	I	Operators in Java	Whiteboard	
8	I	Control Statements: if, switch, loops	Whiteboard	
9	I	Arrays: Declaration, Initialization and Use	Whiteboard	
10	I	Strings and String Methods	Whiteboard	
11	II	Class Fundamentals & Declaring Objects	Whiteboard	
12	II	Initializing Instance Variables & Access Control	Whiteboard	
13	II	Constructors & Overloading Constructors	Whiteboard	
14	II	Methods in Java & Overloading Methods	Whiteboard	
15	II	Static Methods & Recursion	Whiteboard	
16	II	final Keyword & this Keyword	Whiteboard	
17	II	Garbage Collection & finalize() Method	Whiteboard	
18	III	Inheritance Basics & Types of Inheritance	Whiteboard	
19	III	super Keyword & Final with Inheritance	Whiteboard	
20	III	Method Overriding & Dynamic Method Dispatch	Whiteboard	
21	III	Abstract Classes & Uses	Whiteboard	
22	III	Interfaces – Declaration & Implementation	Whiteboard	
23	III	Multiple Inheritance using Interfaces	Whiteboard	
24	III	Abstract Classes vs Interfaces	Whiteboard	
25	IV	Packages & Creating User Defined Packages	Whiteboard	
26	IV	Types of Packages & Importing Packages	Whiteboard	
27	IV	Access Protection in Packages	Whiteboard	
28	IV	Exception Handling Basics & Exception Types	Whiteboard	

29	IV	throw Clause & throws Clause	Whiteboard	
30	IV	Built-in Exceptions & User Defined Exceptions	Whiteboard	
31	V	Java Thread Model & Main Thread	Whiteboard	
32	V	Creating and Running a Thread	Whiteboard	
33	V	Terminating Threads & Creating Multiple Threads	Whiteboard	
34	V	Thread Synchronization & Thread Priorities	Whiteboard	
35	V	Applet Basics & Applet Life Cycle	Whiteboard	
36	V	Creating a Simple Applet	Whiteboard	
37	V	HTML Tag & Displaying Applets	Whiteboard	
38	All	Practice Programs & Examples (All Units)	Whiteboard	
39	All	Recap and Revision of Units I–III	Whiteboard	
40	All	Recap and Revision of Units IV–V & Q&A Session	Whiteboard	