**INTRODUCTION**

Why Java

Diff b/w Java & Other (C,C++)

Java history

Java features

Java programming format

Java Tokens

Java Statements

Java Data Types

Type casting

Arrays

**OOPS**

Introduction

Class

Object

Static Keywords

Constructors

This Key Word

Inheritance

Super Key Word

Polymorphism(OverLoading & Over Riding)

Abstraction

Encapsulation

Abstract Classes

Interfaces

**STRING MANIPULATIONS**

String & StringBuffer

StringTokenizer

StringBuilder

**PACKAGES**

Introduction to all predefine packages

User Defined Packages

Access Specifiers

**EXCEPTION HANDLING**

Introduction

Pre Defined Exceptions

Try-Catch-Finally

Throws, throw

User Defined Exception examples

**MULTI THREADING**

Introduction

Thread Creations

Thread Life Cycle

Life Cycle Methods

Synchronization

Wait() notify() notify all() methods

**I/O STREAMS**

Introduction

Byte-oriented streams

Character – oriented streams

File

Random-access file

Serialization

**WRAPPER CLASSES**

Introduction

Byte, Short, Integer, Long, Float, Double, Character, Boolean classes.

Garbage Collection

**COLLECTION FRAME WORK**

Introduction

Util Package interfaces, List, Set, Map

List interface & its classes

Set interface & its classes

Map interface & its classes

Vector

**INNER CLASSES**

Introduction

Member inner class

Static inner class

Local inner class

Anonymous inner class

**AWT**

Introduction

Components

Event-Delegation-Model

Listeners

Layouts

Individual components Label, Button,CheckBox,Radio Button,Choice,List,Menu, Text Field, Text Area etc.

**SWING(JFC)**

Introduction Diff b/w awt and swing

Components hierarchy Panels

Individual Swings components JLabel,

JButton, JTextField, JTextArea etc.