**Introduction to Java Applications**

Introduction

Your First Program in Java: Printing a Line of Text

Modifying Your First Java Program

Displaying Text with printf

Another Application: Adding Integers

Memory Concepts

**Introduction to Classes, Objects, Methods**

**and Strings**

Introduction

Declaring a Class with a Method and Instantiating an Object of a Class

Declaring a Method with a Parameter

Primitive Types vs. Reference Types

Initializing Objects with Constructors

Floating-Point Numbers and Type double

**Control Statements: Part 1**

Introduction

Pseudocode

Control Structures

if Single-Selection Statement

if…else Double-Selection Statement

while Repetition Statement

Increment and Decrement Operators

Primitive Types

**Control Statements: Part 2**

for Repetition Statement

Examples Using the for Statement

do…while Repetition Statement

switch Multiple-Selection Statement

break and continue Statements

**Methods**

6.1 Introduction 198

6.3 static Methods, static Fields and Class Math

6.4 Declaring Methods with Multiple Parameters

6.5 Notes on Declaring and Using Methods

6.6 Method-Call

Argument Promotion and Casting

Scope of Declarations

Method Overloading

**Arrays ,Collection**

**OOP**

**Exception Handling**

**Advance level**