Oracle 9i Application Developer

1 Introduction to Oracle9*i*: SQL 40 hrs (exam 1z0-007)
Introduction
Writing Basic SQL SELECT Statements
Restricting and Sorting Data
Single-Row Functions
Displaying Data from Multiple Tables
Aggregating Data Using Group Functions
Subqueries
Producing Readable Output with *i*SQL *PLUS
Manipulating Data
Creating and Managing Tables
Including Constraints
Creating Views
Other Database Objects
Controlling User Access
SQL Workshop
Using SET Operators
Oracle 9*i* Datetime Functions
Enhancements to the GROUP BY Clause
Advanced Subqueries
Hierarchical Retrieval
Oracle 9*i* Extensions to DML and DDL Statements

2 Oracle 9i Program with PL/SQL- (exam 1z0-147)
*(Prerequisites : knowledge of SQL / SQL*PLUS*
or Introduction to Oracle 9i SQL)

Duration : 40 Hours

- Introduction
- Declaring Variables
- Writing Executable Statements
- Interacting with the Oracle Server
- Writing Control Structure
- Working with Composite Data Types
- Writing Explicit Cursors
- Advanced Explicit Cursors and Concepts
- Handling Exceptions
- Creating Procedures
- Creating Functions
- Managing Subprograms
- Creating Packages
- More Package Concepts
- Oracle Supplied Packages
- Manipulating Large Objects
- Creating Database Triggers
- More Trigger Concepts
- Managing Dependencies

3 Oracle 9i Forms Developer : Build Internet Applications (exam 1z0-141)
(Prerequisites : Introduction to Oracle 9i SQL & Oracle 9i Program with PL/SQL)

Duration : 40 Hours
- Introduction to Oracle Developer and Oracle Services
- Running a Forms Developer Application
- Working in the Forms Developer Application
- Creating a Basic Form Module
- Working with Data Blocks and Frames
- Working with Text Items
- Creating LOVs and Editors
- Creating Additional Input Items
- Creating Non Input Items
- Creating Windows and Content Canvases
- Working with other Canvas Types
- Introducing to Triggers
- Producing Triggers
- Debugging Triggers
- Adding Functionality to Items
- Runtime Messages and Alerts
- Query Triggers
- Validation
- Navigation
- Transaction Processing
- Writing Flexible Code
- Sharing Objects and Code
- Introducing Multiple Form Applications

4 Oracle 9i Reports Developer Build Reports
(Prerequisites : Introduction to Oracle 9i SQL, Introduction to Oracle 9i PL/SQL)

Duration : 40 Hours

- Introducing to Oracle 9i Reports Developer
- Designing and Running Reports
- Working in Oracle 9i Reports Developer
- Creating Paper Report
- Enhancing a Basic Paper Report
- Managing Report Templates
- Creating a Web Report
- Enhancing Reports Using the Data Model : Queries and Groups
- Enhancing Reports Using the Data Model : Data Sources
- Enhancing Reports Using the Data Model : Creating Columns
- Enhancing Reports Using the Paper Layout
- Controlling the Paper Layout : Common Properties
- Controlling the Paper Layout : Specific Properties
- Web Reporting
- Extending Functionality Using XML
- Creating and Using Reports Parameter
- Embedding a Graph in a Report
- Enhancing Matrix Reports
- Coding PL/SQL Triggers
- Extending Functionality Using the SRW Package
- Maximizing Performance using Oracle 9i as Reports Services
- Building Reports : Efficiency Guideline