Core Course VIII - Java Programming

Unit I

Basics of JAVA programming – Operators – Control statements.

Unit II

User defined methods – Principles of object oriented programming in JAVA – Inheritance, packages and Interfaces.

Unit III

Arrays – Strings – Enumerations – Exception handling – Multithreading, generics , Collection frameworks.

Unit IV

Applets – Graphics.

Unit V

GUI based applications 1: event handling, buttons, layout manager, Radio buttons, Check boxes, Combo boxes - GUI based applications 2 – Text fields, sliders, scroll panes, dialog boxes, menus, hot keys, Images and sound clips.

Text Book:

1. Shirish Chavan, JAVA for Beginners, Shroff publishers & distributors, First edition, 2007. [ISBN 978-81-8404-317-1]
   [Unit-1 (Chapters -1, 2, 3, 4); Unit-2 (Chapters – 5, 6, 7); Unit-3 (Chapters – 8, 9); Unit-4 (Chapters – 11); Unit-5 (Chapters –12, 13)]

Reference Books:

1. Andy Harris, Java 2 – fast & easy web development, Prentice Hall of India, 2001. [ISBN 81-203-1815-3]
2. Herb Schildt, JAVA2: The Complete Reference, 2005, 5th edition, ISBN 0-07-059878-9., Tata-McGrawhill
3. Deitel and Deitel, JAVA- How to program, Sixth edition, Prentice Hall of India/Pearson education, ISBN 81-203-2800-0.