

CORE COURSE – IV -JAVA PROGRAMMING

UNIT I

Data Types and Variables: The Simple Types - Literals - Variables - Type Conversion and Casting - Automatic Type Promotion in Expressions - Arrays - Strings - Classes and Methods: Class Fundamentals - Declaring Class Objects - Constructors - Garbage Collection - The finalize () Method - Overloading Methods - Argument Passing - Recursion - Understanding Static - Access Control--: The main () method.

UNIT II .

Operators: Arithmetic Operators - Bit wise Operators - Relational Operators- Boolean Logical Operators - The Assignment Operator - The? Operator - The Dot Operator - Operator Precedence - Inheritance, Packages, and Interfaces: Inheritance - Using Super - When Constructors are called - Method Overriding - Abstract Classes - The final Keyword - Packages - Importing Packages - Access ControlInterfaces - Keyword Summary.

UNIT III

The Language Classes and Interfaces - The Utility Classes and Interfaces - The Input/Output Classes and Interfaces.

UNIT IV

The Networking Classcs and Interfaccs - The Java Applet Class andInterfaces .

UNIT V

The Abstract Window Toolkit Classes and Interfaces - The Event Classes and Interfaces. .

Book for study:

"Java - Programmer's Reference", Herbert Schildt with Joe O'Neil, Tata McGraw Hill, 1998.

Books for reference:

1. "Internet Programming", Kris Jamcs Ph.D., and Ken Cope, Galgotia Publication, Reprint 2000
2. "Java Unleashed", Michael Morrison, Scond Edition. , ,
3. "Complete Reference", 'Patrick Naughton and Herbert Schildt, 3rd Edition,. Tata McGraw Hill Publishing Company Ltd., 1999.