YEAR – II		CA305T
SEMESTER - III	**Programming using Sun Micros Tech-Java**	HRS/WK-6
CORE – 5	For the students admitted in the year 2010 - 2011	CREDIT-5

Objective: To understand the power of Core JAVA and its Object Oriented Features.

UNIT – I

Introduction to Java: Features of Java – Object Oriented Concepts – Data Types – Variables – Arrays – Operators - Control Statements.

UNIT – II

Classes and Objects: Constructors – Overloading method – Access control – Static and fixed methods – Inner classes – Inheritance – Overriding methods – Using super – Abstract class.

UNIT – III

Packages and Interfaces: Packages – Access Protection – Importing Packages – Interfaces – Exception Handling.

UNIT –IV

Streams: Thread – Synchronization - Runnable Interface – Multithreading - I/O Streams – File Streams

UNIT – V

Predefined Classes: String Objects - String Buffer – Char Array - Java Utilities: Vector class, Random class, Calendar class, Date Class.

TEXT BOOKS:
1. Cray S. Horstman, Gray Cornell – Core Java 2 Vol. I and Vol. II – 7th Ed. PHI, 2000.

2. H. Schildt – Java2 (The Complete Reference] – Fourth Edition, TMH 1999.

REFERENCE BOOK:
1. Wesley, K. Arnold and J. Gosling – The Java Programming Language – Third Edition Addison – Wesley, 2000.