

YEAR – II	ADVANCE JAVA PROGRAMMING	CS407T
SEMESTER– IV		HRS/WK-4
CORE - 8		CREDIT - 3

Objectives:

- ❖ This course provides an in-depth knowledge of Advanced Java language and programming.
- ❖ Implementing Java components
- ❖ Practicing RMI, BEAN and JDBC.

UNIT-I: [12Hrs]

Fundamentals of Applets : Introduction to Applets- Applet Architecture-Applet life cycle – Adding Applets to HTML file- getDocumentBase() & getCodeBase() –creating a simple applets- Loading and displaying images on applets.

UNIT-II: [12Hrs]

AWT & Managers: AWT controls –windows Fundamentals-working with graphics, fonts and colors- layout managers.

UNIT-III: [12Hrs]

JDBC: JDBC Architecture – Connecting to a Database (MSAccess) – SQL commands-select, insert, delete, update. JDBC programming concept: classes-Connection class , Command class , ResultSet class.

UNIT-IV: [12Hrs]

NETWORKING: Networking Basics- Sockets - Inet Address - IP Address- Port number – TCP/IP Sockets – Net address .

UNIT-V: [12Hrs]

RMI AND BEANS: Introduction to RMI-RMI architecture - Example using RMI
Introduction to java Beans-Properties of beans-Simple example using bean.

Text Books:

1. P. Naughton and H. Schildt – “Java2: The Complete Reference” –TMH 1999, Ed. 3
2. K. Arnold and J. Gosling–“The Java Programming Language”–Ed.2,Publication 2000
3. Cays Horstmann and Gary Cornell – “Core Java Volume II” - Publications 2001
4. Phil Hanna – “JSP 2.0: The Complete Reference” – TMH., Edition 2, Publications 2003

Reference Books:

1. Ivan Bayross, “Java 2.0 Web enabled Commercial Application Development” – BPB Publications 2000.
2. Peter Norton & William Stack, “Guide to Java Programming”, Techmedia Publications, New Delhi, First Edition, 1997.
3. Deitel & Deitel “JAVA: How to program”, third edition Prentice Hall of India, 1999.

NOTE:

Please refer text book 1 for Question Paper and key preparation.