EAR – II	**OBJECT ORIENTED PROGRAMMING WITH JAVA** For the students admitted in the year 2008 - 2011	PCA912S
SEMESTER – III		HRS/WK – 4
CORE -11		CREDIT – 3

Objective:

❖ This course presents the basic concepts of object oriented programming, data types, class and objects, packages, overview of JDBC.

UNIT-I:

Introduction to Java : Features of Java - Object oriented concepts - Lexical issues - Data types – Variables – Operators - Type conversion and casting – Control Statements - Arrays.

UNIT-II:

Constructors - Overloading method - Inner class - Inheritance - Overriding Method – Abstract class - Packages– Importing packages.

UNIT-III:

Interfaces – Exception handling –Throw and throws - Thread – Multithreading
Simple example using Thread.

UNIT-IV:

AWT Overview: Components, Container, window, Panel, Canvas-AWT classes: Button, TextField, Checkbox-Layouts. Simple example using AWT. Introduction to Applet- Simple example using Applet.

UNIT-V:

JDBC-ODBC Driver-Database classes-simple Example using database (msaccess). Network Basics-socket overview- client/ server-reserved sockets—Proxy Servers-Internet Addressing-DNS-TCP/IP-UDP-Simple example using network concepts.

Text Books:

1. P. Naoughton 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
Reference Books:

1. Cays Horstmann and Gary Cornell – Core Java Volume II, Publications 2001

2.Phil Hanna – JSP 2.0: The Complete Reference – TMH., Edition 2, Publications 2003

Question Pattern

Time: 3 Hrs   Max. Marks: 75

Section – A (5 x 5 = 25)

Answer ALL the questions

Either OR Pattern

One question from each unit

Section – B (5 x 10 = 50)

Answer ANY FIVE questions out of EIGHT

One question from each unit and three questions from important topics with problems and programs