SEMESTER- V

COURSE CODE :- CC11
COURSE TITLE :- PROGRAMMING IN JAVA
CREDIT :- 4

Marks distribution
Full Marks: 20 (MSE) + 80 (ESE) = 100 Times: 3 hrs Pass Marks: 45
This paper consists of 80 marks and divided into two groups:
Group-A: Objective questions (Compulsory) : 1 x 10 = 10
Group-B: Descriptive questions (7 out of 10 questions) : 7 x 10 = 60
Total = 80
The questions must cover the entire syllabus with equal distribution of marks as far as practicable.

Module 1: Introduction to Java: History of Java, features of Java, types of Java programs. JDK Tools: Javac compiler, Java interpreter, applet viewer, Java tools, Javap disassemble, Javadoc Tool, JavahTool,Java keywords,

Module 2:Data types in Java, Variable naming conventions, Initializing variables, literals, operators, type conversion, construct, looping construct, Arrays and vectors.

Module 3: Classes and objects: Declaring classes, creating objects, declaring objects, declaring methods, passing arguments to methods,

Module 4: Constructors, access specifies (public, private, protected, Default), modifiers, the Method Overloading, Method Overriding, Garbage collection (Introduction).

Module 5: Inheritance: Introduction to Inheritance, Types of Inheritance Abstract class and Interface

Module 6: Introduction to threads: Threads, Single threaded and multithreaded applications, life cycle of a Thread, the current thread, the thread class, Problems in multithreading.

Module 7: Packages: Java packages, using a package, the Lang packages, the package, the creating a package.

Module 8: Applets & Applications: Applet class, Applet & HTML, Life cycle of an Applet, Graphic class (Introduction) , Passing parameters to Applets, Creating an application

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Books Recommended:
1. Java- Complete Reference
2. Mastering Java

PRACTICAL: Programming in JAVA

Entire syllabus of java Programming