

Advanced Diploma in Computer Applications (3 Years Program)

ADCA

6 Months = Days-182, Working Days=140 Days, Teaching/ Practical=Hrs 1 Hrs / Day

Project / Assignment

DCA-III

Sixth Semester

PAPER	TOPIC	Hrs	Day	MARKS
DCA305	Database Handling in ASP	20	20	25
	Lab Work: ASP & MS Access	20	20	--
DCA305	Core Java	20	20	25
	Lab Work: Java	20	20	--
DCA305	Abstract Window Toolkit (AWT) /Applet	15	15	25
	Lab Work: Java	15	15	--
DCA305	Database Handling with JDBC	15	15	25
	Lab Work: Java	15	15	--
PRJ303	Assignment II/ Project	--	--	50
Total		140	140	150

Sixth Semester - Detailed Syllabus

Unit I: Database Handling in ASP

How to Create Database Connection, Working with User Access Control, How to Make Connection, ODBC, ADO Connection String,

Unit II: Core Java

Introduction to Java, Object Oriented Programming Concept, Understanding Classes & Objects, Accessing class members. Defining member functions, Arrays of Objects, Constructors, Types of Constructors, Inheritance, Types of Inheritance in Java, Interfaces & Packages, Input Method in Java, Strings in Java, Exception Handling in Java.

Unit III: Abstract Window Toolkit (AWT) /Applet

Multi – Threading, Life Cycle of Thread, Thread Methods, Thread Priorities, Components for Creation of Interactive Graphical User Interface, Event Handling, Applet, Life Cycle of an Applet, Use of Graphic, Font, Color, Class, Getting User input through Applets.

Unit IV: Database Handling with JDBC

Introduction of JDBC, JDBC Architecture, Java Database Connectivity Steps Creating JDBC Statements, Types of Statements, Creating an ODBC Database Driver.