

COURSE PLAN

Session No	Topics to be covered	Teaching Methodology
UNIT - I		
1	Subject Introduction and Syllabus Discussion	BB
2	Introduction to Java	BB
3	Features of Java	Seminar
4	Basic Concepts of Object Oriented Programming	PPT
5	Tokens-Java Statements	GD
6	Constants-Variables	BB
7	Data Types	Seminar
8	Type Casting	PPT
9	Operators & Expressions	BB
10	Branching and Looping Statements	Seminar
11	Revision on UNIT I	
Unit Test - I		
UNIT - II		
12	Classes, Objects	PPT
13	Methods-Constructors-	GD
14	Methods Overloading	BB
15	Inheritance	Seminar
16	Overriding Methods	PPT
17	Finalizer and Abstract Methods, Visibility Control	GD
18	Arrays, Strings	BB

19	Vectors-String Buffer Class.	Seminar
20	Wrapper Classes.	PPT
21	Interfaces	GD
22	Revision on UNIT II	
CIA TEST - I		
UNIT - III		
23	Packages, Creating Packages -Accessing a Package	BB
24	Multithreaded Programming-Creating Threads	Seminar
25	Stopping and Blocking a Thread-Life Cycle of a Thread	PPT
26	Using Thread Methods, Thread Priority	GD
27	Synchronization-Implementing the Runnable Interface.	BB
28	Managing Errors	Seminar
29	Revision on UNIT III	
Unit Test - III		
UNIT - IV		
30	Exceptions-Syntax of Exception Handling Code	PPT
31	Using Finally Statement-Throwing Our Own Exceptions	GD
32	Applet Programming-Applet Life Cycle	BB
33	Graphics Programming-Managing Input/ Output Files:	Seminar
34	Concept of Streams-Stream Classes	BB
35	Byte Stream Classes-Character Stream Classes	Seminar
36	Using Streams-Using the File Class	PPT
37	Creation of Files	GD
38	Random Access Files, Other stream classes	BB
39	Revision on UNIT IV	

CIA TEST - II		
UNIT - V		
40	Network basics	Seminar
41	Socket programming – proxy servers – TCP/IP	PPT
42	Net Address – URL – Datagrams	GD
43	Java Utility Classes-Introducing the AWT	BB
44	Working with Windows, Graphics and Text-	Seminar
45	AWT Classes- Working with Frames-Working with Graphics-Working with Color	PPT
46	-Working with Fonts-	GD
47	Using AWT Controls, Layout Managers and Menus, Layout Managers and Menu	BB
48	Revision on UNIT V	GD
REVISION		
49	Revision of UNIT I	BB
50	Revision of UNIT II	BB
51	Revision of UNIT III	BB
52	Revision of UNIT IV	BB
53	Revision of UNIT V	BB
CIA TEST - III		

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