

Lesson Plan Format
18 Weeks (From January 2018 to April 2018)

Name of Assistant/ Associate Professor **Ritu Dahiya**
Class and Section **BCA (V) Sem**
Subject **Object Technologies and Programming using Java**

Week 1 (January 1-6)
Chapter 1
1/1/2018 Paradigms of Programming Languages
2/1/2018 Evolution of OO Methodology
3/1/2018 Basic Concept of OO approach
4/1/2018 Comparision of object oriented and 5/1/2018 procedural orient approaches 6/1/2018 Discussion of OO approaches

Week 2 (January 8-13)

Chapter

- 8/1/2018 Introduction to common OO approach
- 9/1/2018 Applications of Oops
- 10/1/2018 Concept of classes
- 11/1/2018 objects
- 12/1/2018 Adstruction
- 13/1/2018 Encapsulation

Week 3 (January 15-20)

Chapter

- 15/01/2018 Inheritance
- 16/01/2018 Description of Inheritances
- 17/01/2018 Types of inheritances
- 18/01/2018 over riding
- 19/01/2018 Polymorphism
- 20/01/2018 Examples of Polymorphism
- 21/01/2018 Programs of Inheritance

Week 4 (January 22-27)

Chapter

- 22/01/2018 HOLIDAY
- 23/01/2018 Introduction to Java
- 24/01/2018 Basic features of Java
- 25/01/2018 Java virtual machine
- 26/01/2018 HOLIDAY
- 27/01/2018 Primitive Data types

Week 5 (January 29-Feb 3)

Chapter

29/01/2018 Description of Data types
30/01/2018 Variables
31/01/2018 Java operations
01/02/2018 Expressions
02/02/2018 Statements
03/02/2018 Arrays

Week 6 (Feb5 -Feb 10)

Chapter

05/02/2018 Classes and objects
06/02/2018 Class fundamentals and creating objects
07/02/2018 Assigning object reference variables
08/02/2018 Introduction to methods
09/02/2018 Static Methods
10/02/2018 HOLIDAY

Week 7 (Feb12 - 17)

Chapter

12/02/2018 Constructors
13/02/2018 HOLIDAY
14/02/2018 Overloading constructors
15/02/2018 This Keyword
16/02/2018 Using objects as Parameters
17/02/2018 Argument Passing

Week 8 (Feb19 -24)

Chapter

19/02/2018 Returning objects
20/02/2018 Methods overloading
21/02/2018 Garbage Collection
22/02/2018 Finalise () Method
23/02/2018 Inheritance basics
24/02/2018 Access Control

Week 9 (Feb26 - Mar 03)

Chapter

26/02/2018 Multilevel Inheritance
27/02/2018 Method over riding
28/02/2018 HOLIDAY
01/03/2018 HOLIDAY
02/03/2018 HOLIDAY
03/03/2018 HOLIDAY

Week 10 (March5 -10)

Chapter

05/03/2018 Abstract classes
06/03/2018 Polymorphism
07/03/2018 Final keyword
08/03/2018 Defining Package
09/03/2018 Class Path
10/03/2018 Package naming

Week 11 (March12 -17)

Chapter

12/03/2018 Accessibility of Packages
13/03/2018 Using Package Members
14/03/2018 Implementing interfaces
15/03/2018 Interface and abstracr classes
16/03/2018 Extends and
17/03/2018 Implementing together

Week 12 (March19 -24)

Chapter

19/03/2018 Defin of Exception
20/03/2018 Handling of exception
21/03/2018 Using try-catch
22/03/2018 Catching multiple exception
23/03/2018 HOLIDAY
24/03/2018 Throwing Exception

Week 13 (March26 -31)

Chapter

26/03/2018 Writing Exception sub classes
27/03/2018 Programes
28/03/2018 Test of Exceptions
29/03/2018 HOLIDAY
30/03/2018 Introduction of Multi threading
31/03/2018 Main Thread

Week 14 (April 02 -07)

Chapter

02/04/2018 Java Thread Model
03/04/2018 Thread Priorities
04/04/2018 Synchronization n Java
05/04/2018 Inter Thread Comm
06/04/2018 I/O Basics
07/04/2018 Stream

Week 15 (April 09 -14)

Chapter

09/04/2018 Stream Classes

10/04/2018 The Predefined streams
11/04/2018 Reading from and writing to
12/04/2018 Console
13/04/2018 HOLIDAY
14/04/2018 HOLIDAY

Week 16 (April 16 -21)

Chapter

16/04/2018 Reading and writing files
17/04/2018 The Transient and volatile modifiers
18/04/2018 HOLIDAY
19/04/2018 Using instance of native methods
20/04/2018 Fundamentals of character and strings
21/04/2018 The string class

Week 17 (April 23 -28)

Chapter

23/04/2018 String operations
24/04/2018 Data conversion using value of () Methods
25/04/2018 String Buffer
26/04/2018 Class
27/04/2018 Methods
28/04/2018 Discussion of classes and Methods

Week 18 (April 29 -30)

Chapter

30/04/2018 Revision