

START DATE: \_\_\_\_\_  
 STUDENT NAME: \_\_\_\_\_

Core Java Event Calendar  
 (CS/IT)

Total Duration: 60Hrs  
 MONTH: \_\_\_\_\_

STUDENT TRANSFER TO \_\_\_\_\_ TRAINER: \_\_\_\_\_ TRANSFER DATE: \_\_\_\_\_

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31					

COURSE CONTENT							
SL. NO.	SESSIONS	Date	Sign	Date	Sign	Date	Sign
1.	<b>Java – Objects &amp; Classes</b> Objects in Java Classes in Java Constructors How to Use Singleton Class? Creating an Object Accessing Instance Variables and Methods Source File Declaration Rules Java Package Import Statements A Simple Case Study						
2.	<b>Java – Basic Datatype</b> Primitive Datatypes Reference Datatypes Java Literals						
3.	<b>Java – Variable Types</b> Local Variables Instance Variables Class/static Variables						
4.	<b>Java – Loop Control</b> While Loop in Java for Loop in Java Do While Loop in Java Loop Control Statements Break Statement in Java						

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	Continue Statement in Java Enhanced for loop in Java						
5.	<b>Java – Decision Making</b> If Statement in Java If-else Statement in Java The if...else if...else Statement Nested if Statement in Java Switch Statement in Java The ? : Operator:						
6.	<b>6. Java – Strings Class</b> Creating Strings Java – String Buffer & String Builder Classes StringBuffer Methods Java – String Buffer append() Method Java – String Buffer reverse() Method Java – String Buffer delete() Method Java – String Buffer insert() Method Java – String Buffer replace() Method String Length Concatenating Strings Creating Format Strings String Methods Java – String charAt() Method Java – String compareTo(Object o) Method Java – String compareTo(String anotherString) Method Java – String compareToIgnoreCase() Method Java – String concat() Method						

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<p>Java – String contentEquals() Method          Java – String copyValueOf(char[] data) Method          Java – String copyValueOf(char[] data, int offset, int count) Method          Java – String endsWith() Method          Java – String equals() Method          Java – String equalsIgnoreCase() Method          Java – String getBytes(String charsetName) Method          Java – String getBytes() Method          Java – String getChars() Method          Java – String hashCode() Method          Java – String indexOf(int ch) Method          Java – String indexOf(int ch, int fromIndex) Method          Java – String indexOf(String str) Method          Java – String indexOf(String str, int fromIndex) Method          Java – String Intern() Method          Java – String lastIndexOf(int ch) Method          Java – String lastIndexOf(int ch, int fromIndex) Method          Java – String lastIndexOf(String str) Method          Java – String lastIndexOf(String str, int fromIndex) Method          Java – String length() Method</p>						
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	<p>Java – String matches() Method</p> <p>Java – String regionMatches() Method</p> <p>Java – String regionMatches() Method</p> <p>Java – String replace() Method</p> <p>Java – String replaceAll() Method</p> <p>Java – String replaceFirst() Method</p> <p>Java – String split() Method</p> <p>Java – String split() Method</p> <p>Java – String startsWith() Method</p> <p>Java – String startsWith() Method</p> <p>Java – String subsequence() Method</p> <p>Java – String substring() Method</p> <p>Java – String substring() Method</p> <p>Java – String toCharArray() Method</p> <p>Java – String toLowerCase() Method</p> <p>Java – String toLowerCase() Method</p> <p>Java – String toString() Method</p> <p>Java – String toUpperCase() Method</p> <p>Java – String toUpperCase() Method</p> <p>Java – String trim() Method</p> <p>Java – String valueOf() Method</p>						
7.	<p><b>Java – Arrays</b></p> <p>Declaring Array Variables</p> <p>Creating Arrays</p> <p>Processing Arrays</p> <p>The foreach Loops</p> <p>Passing Arrays to Methods</p> <p>Returning an Array from a Method</p> <p>The Arrays Class</p>						
8.	<p><b>Java – Methods</b></p> <p>Creating Method</p>						

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	<p>Method Calling  The void Keyword  Passing Parameters by Value  Method Overloading  Using Command-Line Arguments  The Constructors  Parameterized Constructor  The this keyword  Variable Arguments(var-args)  The finalize( ) Method</p>						
10.	<p><b>Java – Exceptions</b>  Exception Hierarchy  Built-in Exceptions  Exceptions Methods  Catching Exceptions  Multiple Catch Blocks  Catching Multiple Type of Exceptions  The Throws/Throw Keywords  The Finally Block  The try-with-resources  User-defined Exceptions  Common Exceptions</p>						
11.	<p><b>JAVA - OBJECT ORIENTED</b>  <b>Java – Inheritance</b>  extends Keyword  Sample Code  The super keyword  Invoking Superclass Constructor  IS-A Relationship  The instanceof Keyword</p>						

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	HAS-A relationship Types of Inheritance							
12.	<b>Java – Overriding</b> Rules for Method Overriding Using the super Keyword							
13.	<b>Java – Polymorphism</b> Virtual Methods							
14.	<b>Java – Abstraction</b> Abstract Class Inheriting the Abstract Class Abstract Methods							
15.	<b>Java-Encapsulation</b> Benefits of Encapsulation							
16.	<b>Java – Interfaces 181</b> Declaring Interfaces 182 Implementing Interfaces 182 Extending Interfaces 184 Extending Multiple Interfaces 185 Tagging Interfaces 185							
17.	<b>Java – Packages</b> Creating a Package The import Keyword The Directory Structure of Packages Set CLASSPATH System Variable							
18.	Practice Sessions							
19.	Practice Sessions							
20.	Practice Sessions							
21.	Practice Sessions							
22.	Practice Sessions							

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23.	Final Output and Delivery.....						
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