

Academic Lesson Plan of Winter 2022

Academic Lesson Plan of Winter 2022		
Department: CSE	Semester:3RD	Name of the Teaching Faculty: Sushri Sangita parida
Subject: Object Oriented Methodology	No. of days/per week class allotted: 4p/week	Semester from:15/09/2022
		No. of weeks:15
		Topics to be covered:
WEEK	DAYS	TOPIC
1st week	1st	programming languages
	2nd	Oops concept & terminology
	3rd	Benefits & applications of oops
	4th	Introduction to Java
2nd week	1st	Execution model of Java
	2nd	Java virtual machine
	3rd	Java virtual machine
	4th	First java programm
3rd week	1st	Variables & data types
	2nd	primitive data type & declaration
	3rd	Numeric & characters literals, string literals
	4th	Array and non-primitive data types
4th week	1st	Casting & type casting
	2nd	Widening & narrowing conversions
	3rd	Operators & expressions, loop control statement
	4th	decision control statement
5th week	1st	Concept & syntax of object and class
	2nd	Declaration of class
	3rd	Concept & syntax & define methods
	4th	Creation of objects
6th week	1st	Accessing class members
	2nd	Instance data & class data
	3rd	Constructors
	4th	Access specifier, types of constructor
7th week	1st	String builder & buffer
	2nd	Methods & Messages
	3rd	Parameter passing
	4th	Comparing & identifying object
8th week	1st	Inheritance in java
	2nd	Use of Inheritance, single inheritance
	3rd	Multiple and Multi level inheritance
	4th	Hierarchical & Hybrid Inheritance
9th WEEK	1st	Introduction of Polymorphism
	2nd	Method overloading
	3rd	Run time Polymorphism
	4th	Method overloading
10th week	1st	Introduction to package
	2nd	Java API packages
	3rd	Using system packages
	4th	Naming convention of package

11th week	1st	Creating packages
	2nd	Accessing packages
	3rd	Using of packages
	4th	Adding class to packages
12th week	1st	Hiding classes
	2nd	Use of static import
	3rd	Stream, reading & writing to files
	4th	I/P & O/P stream
13th week	1st	Manipulating input data
	2nd	Opening & closing streams, Predefined streams
	3rd	file handling classes & methods
	4th	Exception overview & keywords
14th week	1st	Catching exception
	2nd	Using finally statements
	3rd	Exception methods, Declaring exception
	4th	Defining and throwing exceptions
15th week	1st	Errors and runtime Exceptions
	2nd	Doubt clearing classes
	3rd	Previous year question discussion
	4th	Previous year question discussion

Sushri
14/09/2022
Signature of Faculty

gmain
14/09/2022
HOD
Sr. Lecture, CSE