

Name Of the Faculty :	Priyanka Singh
Discipline:	BCA
Semester:	3rd Sem
Subject:	OBJECT ORIENTED PROGRAMMING USING 'C++'
Lesson Plan Duration :	15 weeks
**Work Load (Lecture/Practical) per week (In Hours):9 hrs T+P of One Section	
Week	Topic (including assignment/test)
1	Object-Oriented programming features and benefits
	Object-Oriented features of C++
	Class and Objects
	Class and Objects
2	Data Hiding
	Encapsulation
	Structures
	Assignment-1/Test/Revision
3	Data members and Member functions
	Scope resolution operator and its significance
	Static Data Members
	Static member functions
4	Nested and Local Class
	Accessing Members of Class and Structure
	UNIT-1 REVISION
5	Constructor
	Initialization using constructor
	types of constructor overview
6	Default Constructors
	Parameterized Constructors
	Copy Constructors
7	Constructors Revision
	Assignment-2/Test/Revision
	Constructor overloading
	Default Values to Parameters
8	Destructors
	Hierarchy of Console Stream Classes
	Unformatted and Formatted I/O Operations

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9	Unformatted and Formatted I/O Operations
	UNIT-2 REVISION
	Manipulators
	Friend Function
10	Friend Class
	Arrays
	Array of Objects
	Passing and Returning Objects to Functions
11	String Handling in C++
	String Handling in C++
	Assignment-3/Test/Revision
	Dynamic Memory Management: Pointers
12	new and delete Operator
	Array of Pointers to Objects
	this Pointer
	Passing Parameters to Functions by Reference & pointers
	UNIT-3 REVISION
13	Polymorphism: Operators in C++
	Operator Overloading
	Precedence and Associativity Rules
	Operator Overloading
14	Assignment-4/Test/Revision
	Unary Operators Overloading
	Binary Operators Overloading
	Function Overloading
15	UNIT-4 REVISION