Lesson Plan

Name of the Faculty:	Dr. Ashish Chopra
Discipline:	BCA
Semester:	2nd
Subject:	Object Oriented Programming using C++ B23-CAP-201
WorkLoad(Lecture/Practical)perweek(Inhours):	Lecture - 4

Sl No.	Lecture No.	Theory Topic(Including Assignment/Test/Quiz)	Pedagogy (PPT& Chalk-Board and Board/Video Recording /Activity/Case Study)
1	L1	Input Output in C++: Unformatted and Formatted I/O Operations	PPT &Chalk-Board
2	L2	I/O using insertion and extraction operators, streams in C++	PPT &Chalk-Board
3	L3	Functions: Declaration and Definition, return values, arguments	PPT
4	L4	passing parameters by value, call by reference, call by pointer	Chalk-Board
5	L5	Recursion, Inline Functions	Chalk-Board
6	L6	Function overloading	PPT
7	L7	Pointers, structures	PPT & Chalk-Board
8	L8	Union in C++	PPT & Chalk-Board
9		**Assignment-1**	On paper
10	L9	Class and Objects, Data hiding &encapsulation, abstraction	Chalk-Board
11	L10	Data Members and Member Functions	Chalk-Board
12	L11	accessing class members, empty class, local class, global class	Chalk-Board
13	L12	Scope Resolution Operator and its Uses, Static Data Members, Static Member Functions	Chalk-Board
14	L13	Structure vs Class, Friend function and friend class	Chalk-Board
15	L14	Constructors, Instantiation of objects	PPT & Chalk-Board

16	L15	Default constructor	PPT & Chalk-Board
17	L16	Parameterized constructor	Chalk-Board
18	L17	Copy constructor andits use	Chalk-Board
19	L18	Destructors	Chalk-Board
20	L19	Dynamic initialization of objects	Chalk-Board
21		**Query Session**	
22	L20	Overloading unary	PPT &Chalk-Board
23	L21	binary operators	Chalk-Board
24	L22	arithmetic operators	Chalk-Board
25	L23	manipulation of strings using operators	Chalk-Board
26	L24	Derived class	PPT & Chalk-Board
27	L25	base class	PPT & Chalk-Board
28	L26	Accessing the base class member	PPT & Chalk-Board
29	L27	Inheritance	Chalk-Board
30	L28	multilevel Inheritance	Chalk-Board
31	L29	Multiple Inheritance	Chalk-Board
32	L30	hierarchical	Chalk-Board
33	L31	hybrid	Chalk-Board
34	L32	Virtual base class	Chalk-Board
35	L33	Abstract class	Chalk-Board
36		**Assignment 2**	On paper
37	L34	Virtual Functions	Chalk-Board
38	L35	pure virtual functions	Chalk-Board
39	L36	Polymorphism & its types	Chalk-Board
40	L37	exception handling model	Chalk-Board
41	L38	Exception handling constructs - try, throw, catch	Chalk-Board
42	L39	Order of catch blocks	Chalk-Board
43	L40	Catching all exceptions	Chalk-Board
44	L41	Nested try blocks	Chalk-Board
45	L42	handling uncaught exceptions	Chalk-Board
46		**Query Session**	