

**Lesson Plan**

Name of the Assistant/ Associate Professor.....AMIT VASHISTH

Class and Section.....OB. BCA - 4th Sem.

Subject:.....Object oriented Programming using C++

Week	Date	Topics
1	1-Jan-18	object oriented programming concept:-
	2-Jan-18	procedural language & object oriented approach.
	3-Jan-18	characteristic of oops., simple C++ program-
	4-Jan-18	user Defined Data types.
	5-Jan-18	Basic function of oops concept
	6-Jan-18	Polymorphism, Encapsulation
	7-Jan-18	Sunday
2	8-Jan-18	Getting started with C++:- syntax
	9-Jan-18	Data types, variable, constant
	10-Jan-18	string and types of string in using C++.
	11-Jan-18	function:- call by value, call by ref-
	12-Jan-18	namespace, Tokens, keywords.
	13-Jan-18	Exception, operator are used in C++
	14-Jan-18	Sunday
3	15-Jan-18	Manipulator, overloading:- function
	16-Jan-18	overloading & Operator overloading
	17-Jan-18	Return by Reference.
	18-Jan-18	Inline function, Recursion.
	19-Jan-18	Basic concept of virtual and friend function
	20-Jan-18	Default argument and const argument
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Flow Control:- for loop, while loop, do-while in C++.
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Array are used in C++
	26-Jan-18	Republic Day
	27-Jan-18	Pointer, nested pointer, Types of pointer in C++
	28-Jan-18	Sunday
5	29-Jan-18	Structure & union in C++.
	30-Jan-18	Program practice.
	31-Jan-18	Guru Ravidas Birthday

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**Lesson Plan**

The Assistant/ Associate Professor..... AMIT VASHI/STH.....

Section: BCA - 4th sem.

Object Oriented Programming using C++

Week	Date	Topics
1	1-Mar-18	Inheritance & Polymorphism:- Define Inheritance
	2-Mar-18	Holi
	3-Mar-18	Define Derived class and Base class.
	4-Mar-18	Sunday
2	5-Mar-18	Types of Inheritance,
	6-Mar-18	Define Polymorphism & Characteristics.
	7-Mar-18	Program in C++ using Inheritance.
	8-Mar-18	overriding member function, Abstract
	9-Mar-18	class & Abstract function
	10-Mar-18	Public & private Inheritance
	11-Mar-18	Sunday
3	12-Mar-18	Virtual function and Pure virtual function
	13-Mar-18	Program in C++ using virtual function
	14-Mar-18	friend function and static function
	15-Mar-18	Ambiguity in multiple Inheritance
	16-Mar-18	Program in C++ using friend function
	17-Mar-18	Assignment on above topic
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		Basis of Exception handling
21-Mar-18		Exception handling Mechanism, Exception fun
22-Mar-18		Exception and derived class.
23-Mar-18		unexpected exception
24-Mar-18		exception when handling exception
25-Mar-18		Sunday/ Ram Navami
5		26-Mar-18
	27-Mar-18	Throwing Exception, Catching Exception
	28-Mar-18	Rethrowing Exception
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	specifying Exception.
	31-Mar-18	program in C++ using Exception handling

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**Lesson Plan**

Name of the Assistant/ Associate Professor..... AMIT WASHISTH.....

Class and Section:..... BCA - 4th Sem.....

Subject:..... Object oriented programming using C++.....

Week	Date	Topics
1	1-Feb-18	Abstracting mechanism:- class and object
	2-Feb-18	Introduction to class, specifying a
	3-Feb-18	class. private, public & protected class.
	4-Feb-18	Sunday
2	5-Feb-18	Define Data member & member function
	6-Feb-18	program in C++ using class.
	7-Feb-18	define member function inside class
	8-Feb-18	member function uses outside the class
	9-Feb-18	program in C++ using member function inside & outside class
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	static data member & member function
	13-Feb-18	Maha Shivratri
	14-Feb-18	constant member function, Array of object
	15-Feb-18	Array with in class, Nesting member function
	16-Feb-18	friend function and pointer to member
	17-Feb-18	Inline function and local class.
	18-Feb-18	Sunday
4	19-Feb-18	Constructor:- Define & its types.
	20-Feb-18	Default constructor.
	21-Feb-18	Parameter constructor, copy constructor
	22-Feb-18	program in C++ used in constructor.
	23-Feb-18	Destructor -
	24-Feb-18	Memory Management:- new, delete
	25-Feb-18	Sunday
5	26-Feb-18	object copying, Assignment operator
	27-Feb-18	this pointer, Input & out put.
	28-Feb-18	Assignment on above topic

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