SYLLABUS FOR C & C++

Programming in 'C'	
CHAPTER - 1	**Introduction of Programming Languages**
1.1	Types of Languages
1.2	Evolution of 'C' Language
1.3	Structure of a 'C' Program
1.4	'C' Program development life cycle
1.5	Executing and Debugging a 'C' Program
CHAPTER – 2	**'C' Tokens**
2.1	Keywords and Identifiers
2.2	Operators
2.3	Constants
2.4	Variables
2.5	Data Types
2.6	Precedence of Operators
2.7	Scope and Lifetime of Variables
CHAPTER – 3	**Control Statement and Expressions**
3.1	Decision Making using if statement
3.2	Types of if …else block
3.3	Switch case Block
3.4	Arithmetic Expressions
3.5	Evaluation of Expressions
3.6	GOTO statement
CHAPTER – 4	**Looping**
4.1	Concept of Loop
4.2	For loop
4.3	While loop

SYLLABUS FOR C & C++

SYLLABUS FOR C & C++

SYLLABUS FOR C & C++

13.1	Keywords and Identifiers
13.2	Operators
13.3	Constants
13.4	Variables
13.5	Data Types
13.6	Precedence of Operators
13.7	Scope and Lifetime of Variables
CHAPTER - 14	**Classes & Objects**
14.1	Classes & Object Specifier
14.2	Defining data members and member functions
14.3	Array of objects
14.4	Managing console I/O
14.5	'C++' stream classes
14.6	Formatted and unformatted console I/O
14.7	Usage of manipulators
CHAPTER – 15	**Function in 'C++'**
15.1	Call by reference, Return by reference
15.2	Function overloading and default arguments
15.3	Inline function
15.4	Static class members
15.5	Friend functions
15.6	Virtual Functions
CHAPTER - 16	**Constructors and Destructor**
16.1	Concept of Constructor
16.2	Types of Constructors
16.3	Memory allocation (new and delete)

SYLLABUS FOR C & C++

16.4	Usage of destructor
CHAPTER - 17	**Operator Overloading**
17.1	Overloading Unary and Binary operators
17.2	Overloading using friend function
CHAPTER – 18	**Inheritance**
18.1	Types of inheritance
18.2	Virtual base classes and abstract base classes
18.3	Constructor and destructor in derived class
CHAPTER - 19	**Working with files**
19.1	File operations
19.2	File pointer and their manipulation
19.3	File updation with random access
CHAPTER – 20	**Exception Handling**
20.1	Various Exception Handling classes
20.2	Implementing try and catch block
20.3	Use of throw keyword