Class : XII
Subject : Computer Science
Syllabus

Month	Book/ Topic name	Sub Topic/ Contents	Study Pd.	Revision Period	Pr. Pd
April	Programming in C++	Review of topics covered in c++ of class XI. Structure:- Defining a structure, creating structure variables, Array of structure, passing structure members to functions.	12	4	8
May	Programming in C++	Class & Objects :- Introduction to class, class declaration, data members & member functions, Private & public members, Function defined inside & outside the class, Nesting member functions, Accessing class member functions, use of scope (::) resolution operator, Array used in class.	12	6	8
June					
July	Programming in C++	Friend Function :- Declaration & Definition Constructors & Destructors : Declaration & Definition of constructors types of constructors (Default, Special, Parameterised, copy constructors) Destructors : Definition and use.	12	4	8
August	Programming in C++ Data Structure through c++	Inheritance : Concept of Inheritance base class, derived class, visibility modes, types of Inheritance (single, Multiple and multi level inheritance) Introduction – Data, Data item, Data Structure Stack : Introduction & operation push and pop operation	12	4	8
September	Data Structure through c++	Queue : Introduction, insertion & deletion in Queue. Array Sorting – Selection & Bubble sort.	5	5	5
October	Data base concepts & sql commands	Introduction to data and database concept of files, fields & records. Normalization : Need of normalization, Normal form (first	10	5	7

		normal form (1NF), Second normal form (2NF), Third normal form (3NF)), DDL, DML, Data types in SQL- Integer, Decimal, Fixed length character, variable, length character			
November	Data base concepts & sql commands	SQL Commands : Create tables, Create View, DROP table, Select, From, where, Group by, having, update, Insert, Delete SQL Functions : AVG, COUNT, MAX, MIN, SUM	08	5	7
December	Introduction to software Engg. Concept of Networking & Internet	Introduction, Major stages in SDLC, Survey, study investigations & Fact recording, system implementation and testing. Need of Networking, Types of Networking, LAN, MAN, WAN, Introduction to FTP, E-mail, TCP/IP Protocols	10	6	6
January	Concept of Networking & Internet HTML	Introductions to internet WWW,URL, web-address, HTTP, Web Browsers, Video Conferencing, Firewall. Introduction to HTML Create a simple web-page Basic tags and use	6	2	2
February		Revision			
March		Exam			