

Class: XI  
Subject: Computer Science  
Syllabus

Month	Name of Book	Contents	Periods of Teaching	Periods of Revision	Practical Period
April		<u>Computer Fundamental &amp; Operating System:</u> Introduction to computer system, History of Computer, Different types of computer, Generation of Computer and Components of Computer. Advantage and disadvantages of computers. GUI operating system (Windows XP, Windows 7)	10	10	4
May		<u>Word Processor(MS WORD):</u> Introduction of MS Word, Components of MS-WORD, Cut, Copy, Paste in MS Word. Formatting & Editing text, Inserting pictures and graphics, Tables, mail merge technique in MS Word, Creation of Tables, Pictures and graphics.	12	10	4
June	Summer Vacation				
July		<u>Electronic Spreadsheet(MS EXCEL)</u> Introduction to MS EXCEL, Worksheet, Workbook, Introduction to cell, row & column, Basic functions(SUM(), Max(),MIN(),AVG())	12	8	4
August		<u>Number system and logic Gates</u> Introduction to number system(Decimal, Binary, Octal & Hexadecimal). Different types of Conversions. Introduction to logic gates ( AND, OR, NOT) with truth table & Electronic Circuit.	12	8	4
September		<u>MS POWER POINT:</u> Introduction to MS Power Point, Different types of slides creations and transitions.	5	5	5
October		<u>Introduction to C++ &amp; Basic Concepts of OOPs</u> Introduction to C++ language, Basic Concepts of OOPS. (Objects, Classes, Inheritance, Polymorphism, Reusability,Operators, Overloading (only introduction)	10	10	2

		<u>Different Data types</u> Introduction to Data types ( int, char, float, double, void) & data modifiers(long, signed & Unsigned)			
November		<u>Operators &amp; Expressions:</u> Input & output operators, Unary, Binary & Ternary operators, Relational & Logical operators, Assignment Operator, Comma Operator, Increment & Decrement operators	08	05	07
December		<u>Control Statements &amp; Loops</u> if, if else, switch case, while, do-while and for loop	8	4	6
January		<u>Introduction to Array &amp; introduction to Structure</u> One dimensional & two dimensional array, Representation of one & two dimensional array in memory. Introduction to structure, creating a structure in C++.	6	2	2
February		Revision			
March		Exam			