



Fortnightly Syllabus Planning (2019-20)

Class - XII

Subject - Computer Science

New Session begins on 18th March, 2019

S.No	Duration	No. of Teaching Days	Syllabus to be planned		Weightage in Board(Theory)	
			Theory	Practical		
1	18 th March - 31 st March	9	Ch 1 : C++ Revision tour Ch 2 : Object Oriented Programming Ch 3 : Function Overloading		Object Oriented Programming in C++ (30 marks)	
2	1 st April – 15 th April	11	Ch 4 : Classes and Objects	1.WAP to Count the number of Objects created for a particular Class. 2.WAP to replace elements having even values with its half and elements having odd values with its twice of a 2-D array. 3.WAP to find sum of both left and right diagonal elements of a 2-D array 4.WAP to rearrange a 1-D array in reverse.		
3	16 th April – 30 th April	9	Ch 4 : Classes and Objects	5.WAP to exchanges the value of first half side elements of the array with second half side of the array of a 2-D array.		
4	1 st May – 15 th May	11	Ch 5 : Constructor and Destructor	6.WAP to demonstrate invocation of Constructor and Destructor		
5	16 th May - 31 st May	7	Ch 6 : Inheritance	7.WAP to display the elements of the middle row and middle column of a 2-D array. 8.WAP to demonstrate Multiple Inheritance.		
Summer Vacations: 27th May – 30th June'19						
First Term Examination: 1st July - 10th July'19						
6	1 st July – 15 th July	3	Ch 9 : Arrays	9.Write a program to search an element in 1-D array using linear search. 10.Write a program to search an element in 1-D array using Binary search. 11.Write a program to sort a 1-D array using Bubble sort.		
7	16 th July – 31 st July	12	Ch 9 : Arrays	12.Write a program to sort a 1-D array using Selection sort.		
8	1 st August – 15 th August	9	Ch 7 : File handling	13.Write a program to sort a 1-D array using Insertion sort.		
9	16 th August – 31 st August	11	Ch 7 : File handling Ch 8 : Pointers	17.WAP to modify a record(with rollno) from STUDENT.DAT. 18.WAP to count the number of record in a file STUDENT.DAT. 19.WAP to find the length of a string using pointer.		
MID TERM PRACTICALS XI, XII - 6th - 12th September'19						
Syllabus completion for Mid Term Examination: 30th August'19						
10	1 st Sept – 15 th Sept	8	Ch 10 : Data Structure	20.WAP to pop an element from a stack using arrays. 21.WAP to insert an element in a queue using arrays 22.WAP to remove an element from a queue using arrays.	Data Structure(14 Marks)	
Mid Term Examination: 16th September – 30th September'19						
Autumn Break: 5th - 8th October'19						
11	1 st Oct – 15 th Oct	8	Ch 10 : Data Structure	23.WAP to push an element in a stack using link-list. 24.WAP to pop an element from a stack using link-list. 25.WAP to insert an element in a queue using link list.		

Diwali Break: 26th - 29th October'19					
12	16 th Oct – 31 st Oct	10	Ch 13 : Boolean Algebra		Boolean Algebra(8 Marks) DBMS & SQL(8 Marks)
13	1 st Nov – 15 th Nov	10	Ch 12 : Structured Query Language	Any 20 SQL queries along with output.	
Annual Day: 16th November'19					
14	16 th Nov - 30 th Nov	10	Ch 14 : Communication Technologies		Communication Technologies (10 Marks)
Syllabus completion for Pre Boards - 29th November'19					
15	1 st Dec – 15 th Dec	5	REVISION		
16	16 th Dec – 31 st Dec	4	REVISION		
Pre Board-1 Examination: 10th - 20th December'19					
Winter break: 30th Dec - 12th January'20					
Pre Board-2 Examination: 13th - 24th January'20					
17	16 th Jan - 31 st Jan	7	REVISION		
18	1 st Feb – 15 th Feb	10	REVISION		
Pre-Board Practical- 23rd December - 27th December'20					

Syllabus for Assessment

Exam	Test Date	Syllabus
CYCLE TEST	06-May	Ch-1,2,3,4
FIRST TERM EXAMINATION	10-Jul	Ch-1,2,3,4,5,6
MID TERM EXAMINATION	19-Sep	Ch-1,2,3,4,5,6,7,8,9
PRE BOARD -1 EXAMINATION	20-Dec	Full Syllabus
PRE BOARD -2 EXAMINATION	17-Jan	Full Syllabus