



FORTNIGHTLY SYLLABUS PLANNING (2023-24)

CLASS XII

SUBJECT-COMPUTER SCIENCE

New Session begins on 1 st March 2023					
S.no.	Duration	No. of Teaching Days	Theory	Practical/ Activity	Weightage in Board
1	1 st March – 15 th March	11	Chapter -5 File Handling		Computational Thinking and Programming – 2 (40 Marks)
2	16 th March-31 st March	12	Chapter -5 File Handling		
3	1 st April-15 th April	7	Chapter -5 File Handling		
Unit Test: 17 th April – 15 th May’23					
4	16 th April- 30 th April	10	Chapter-9 Data Structure-2:Stacks using Lists		
5	1 st May- 15 th May	10	Chapter-8 Data Structure-1:Stacks using Lists		
6	16 th May – 31 st May	9	Chapter-3 Working with functions Exceptional Handling		
Summer Vacations:29 th May – 30 th June’23					
7	1 st July- 15 th July	10	Chalpter-12 Relational Databases		
Periodic Test-1: 17 th July – 7 th August’23					
8	16 th July-31 st July	11	Chapter-13 Simple queries in SQL Chapter-15 Table creation and Data Manipulation commands		Database Management (20 Marks)
9	1 st Aug- 15 th Aug	10	Chapter-15 Grouping records, joins in SQL		
10	16 th Aug- 31 st Aug	11	Chapter-16 Interface python with MYSQL		
Syllabus Completion for Mid Term Examination: 31 st Aug 2023 Practicals for Mid Term Examination: 6 th Sept – 13 th Sept 23					
11	1 st Sept-15 th Sept	7	REVISION		
Mid Term Examination - 15 th Sept- 25 th Sept 23					
12	1 st Oct- 15 th Oct	9	Chapter-1 Python Revision Tour-I Chapter-2 Python Revision Tour-II		
Autumn Break- 23 rd Oct- 24 th Oct 23					
13	16 th Oct-31 st Oct	10	Chapter-10 & 11 Communication and Networking concepts		Computer Networks (10 Marks)
Syllabus Completion for Board Exams – 31 Oct’23					
14	1 st Nov -15 th Nov	7	REVISION		
Diwali Break : 13 th Nov - 15 th Nov’23 Pre Board 1 Examination: 16 th Nov – 22 nd Nov 23					
15	16 th Nov-30 th Nov	3	REVISION		
Pre Board Practicals: 4 th Dec – 8 th Dec 23					
16	1 st Dec- 15 th Dec	10	REVISION		
Pre Board 2 Examination: 18 th Dec – 22 nd Dec 23					
17	16 th Dec-31 st Dec	4	REVISION		
Winter Break- 1 st Jan - 12 th Jan’24					

5. Practical

S.No	Unit Name	Marks (Total=30)
1	Lab Test: 1. Python program (60% logic + 20% documentation + 20% code quality)	8
	2. SQL queries (4 queries based on one or two tables)	4
2	Report file: <ul style="list-style-type: none">• Minimum 15 Python programs.• SQL Queries – Minimum 5 sets using one table / two tables.• Minimum 4 programs based on Python - SQL connectivity	7
3	Project (using concepts learnt in Classes 11 and 12)	8
4	Viva voce	3

Project Guidelines

- The aim of the class project is to create something that is tangible and useful using Python file handling/ Python-SQL connectivity. This should be done in groups of two to three students and should be started by students at least 6 months before the submission deadline.
- The aim here is to find a real world problem that is worthwhile to solve. Students are encouraged to visit local businesses and ask them about the problems that they are facing. For example, if a business is finding it hard to create invoices for filing GST claims, then students can do a project that takes the raw data (list of transactions), groups the transactions by category, accounts for the GST tax rates, and creates invoices in the appropriate format. Students can be extremely creative here.
- They can use a wide variety of Python libraries to create user friendly applications such as games, software for their school, software for their disabled fellow students, and mobile applications, of course to do some of these projects, some additional learning is required; this should be encouraged.
- Students should know how to teach themselves.
- The students should be sensitised to avoid plagiarism and violations of copyright issues while working on projects. Teachers should take necessary measures for this.

SYLLABUS FOR ASSESSMENT

Exam	Test Date	Syllabus
UNIT TEST	15 May 23	Chapter-5,9
PERIODIC TEST 1	17 July 23	Chapter-3,5,8,9,12
MID TERM EXAMINATION	22 Sept 23	Chapter-3,5,8,9,12,13,14,15,16
PRE BOARD 1 EXAMINATION	21 Nov 23	Full Syllabus
PRE BOARD 2 EXAMINATION	19 Dec 23	Full Syllabus