

**FATHER AGNEL SCHOOL, VAISHALI**  
**PT-1 SYLLABUS**  
**CLASS XII**

**ENGLISH**

Reading comprehension

Writing skills- Invitation (Both formal and informal)

Literature: The Last Lesson (Prose)

My Mother at Sixty Six (Poem)

The Third Level (Prose)

**MATHS**

Ch3 Matrices

Ch4 Determinants

Ch-2 Inverse Trigonometry

**CHEMISTRY**

1.Haloalkanes and Haloarenes

2.Solutions

3. Alcohol phenols & ethers

**PHYSICS**

1. Electric charges and field

2. Electrostatic potential and capacitance

**BIOLOGY**

Sexual Reproduction in Flowering Plants

Human Reproduction

Principals of Inheritance and Variation

**ACCOUNTS**

Chapter 1 Fundamentals of Accounting

Chapter 2 Goodwill

Chapter 3 Change in PSR

**B.ST**

Ch. 1 Nature & Significance of Management

Ch.2 Principles of Management

Ch. 4 Planning

**ECONOMICS**

Indian Economic Development: Ch1 Indian Economy on the eve of Independence

Macro Economics: Unit 2 Money and Banking

Unit 4 Government Budget

**COUMPUTER SCIENCE**

Unit 1: Computational Thinking and Programming – 2
<ul style="list-style-type: none"> <li>• Revision of Python topics covered in Class XI.</li> <li>• Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)</li> </ul>
<p>Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths</p> <ul style="list-style-type: none"> <li>• Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines()</li> <li>• Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file</li> </ul>
<b>I.P</b>
<b>Unit 2: Database Query using SQL</b>
Revision of database concepts and SQL commands covered in class XI
Math functions: POWER (), ROUND (), MOD ().
Text functions: UCASE ()/UPPER (), LCASE ()/LOWER (), MID ()/SUBSTRING ()/SUBSTR (),
LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM ().
Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME ().
Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*).
Querying and manipulating data using Group by, Having, Order by.
Working with two tables using equi-join
<b>Unit 1: Data Handling using Pandas -I</b>
Introduction to Python libraries- Pandas, Matplotlib;
Data structures in Pandas - Series and Data Frames.
Series: Creation of Series from – ndarray, dictionary, scalar value;
<b>HISTORY</b>
Ch- Bricks, Beads and Bones

Ch- Kings, Farmers and Towns
<b>POLITICAL SCIENCE</b>
1. End of Bipolarity
2. Contemporary Centres of Powers
3. Contemporary South Asia
4. International Organisations
<b>PAINTING</b>
Introduction to Indian Miniature Schools
Ch.- Rajasthani School of Miniature Painting
Ch.- Pahari School of Miniature Painting
<b>PHYSICAL EDUCATION</b>
Ch- Management of Sporting Events
Ch- Children and Women in Sports
<b>PSYCHOLOGY</b>
<b>Chapter 1 : Variations in Psychological Attributes</b>
Chapter 2: Self and Personality (Till Psychodynamic Approach)