

**CLASS XII
SYLLABUS (2026-2027)**

MONTH: APRIL

ENGLISH CORE (301)

APRIL

Flamingo - The Last Lesson, Lost Spring,
Poetry - My Mother at Sixty - six
Vistas - The Third Level
Writing - Notice, Letter to the Editor

PHYSICS (042)

APRIL

Unit 1: Electrostatics
Chapter 1: Electric Charges and Fields
Chapter 2: Electrostatic Potential and Capacitance

CHEMISTRY (043)

APRIL

Unit 6: Haloalkanes and Haloarenes
Unit 7: Alcohols, Phenols, Ethers (HALF)

Practicals:

1. Preparation of Standard Solution of Oxalic Acid
2. Titration of KMnO_4 vs Oxalic Acid
3. Salt Analysis

MATHEMATICS (041)

APRIL

Chapter 3: Matrices
Chapter 4: Determinants
Chapter 1: Relations and Functions

Practicals:

Activity 1: To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : l \perp m\}$ is symmetric but neither reflexive nor transitive.
Activity 2: To demonstrate a function which is one-one but is onto.

BIOLOGY (044)

APRIL

Chapter 1: Sexual Reproduction in Flowering Plants
Chapter 2: Human Reproduction
Chapter 3: Reproductive Health

Practicals:

1. Prepare a temporary mount to observe pollen germination.
2. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
3. Identification of stages of gamete development, i.e., T.S. of testis and a T.S. of ovary through permanent slides (from grasshopper/mice).
4. T.S. of blastula through permanent slides (Mammalian).

COMPUTER SCIENCE (083)

APRIL

Chapter-1 Python Revision Tour

Chapter-2 Python Revision Tour-II

Chapter -3 Functions

Chapter-10 Relational Databases

Practical

List , Tuple , Dictionary, Functions

ARTIFICIAL INTELLIGENCE (843)

APRIL

Unit 1: Python Programming - II (Part B)

Unit 2: Data Science Methodology: An Analytic Approach to Capstone Project (Part B)

Activity/Practicals:

Import and Export Data between CSV Files and Data Frames.

PHYSICAL EDUCATION(048)

APRIL

Unit 1: Management of Sporting Events

Unit 2: Children & Women in Sports

PSYCHOLOGY (037)

APRIL

Unit I Variations in Psychological Attributes

Practical 1- Muadsley Personality Inventory (MPI)

ACCOUNTANCY (055)

APRIL

PART - A: Accounting for Partnership Firms

Unit 1: Introduction To Partnership: Fundamentals

Unit 2: Methods of Goodwill Valuation

#Project work

ECONOMICS(030)

APRIL

Macro Economics

Unit 2: Money and Banking

Unit 4: Government Budget and the Economy

Indian Economy

Unit 6: Indian Economy on the eve of Independence

BUSINESS STUDIES 054

APRIL

Part A: Principles and Functions of Management

Unit 1: Nature and Significance of Management

Unit 2: Principles of Management

PAINTING 049

APRIL

Unit 1: The Miniature Painting Tradition (16th Century A.D. to 19th Century A.D.)

Rajasthani School:

Pahari School:

Practical

Unit 1: Nature and Object Study

MONTH: MAY

ENGLISH CORE (301)

MAY

Flamingo - Deep Water

Poetry - Keeping Quiet

Vistas - The Tiger King

Writing - Invitation and Reply

PHYSICS (042)

MAY

Unit 2: Current Electricity

Chapter 3: Current Electricity

Practicals:

1. To determine resistivity of two / three wires by plotting a graph for potential difference versus current.
2. To find resistance of a given wire / standard resistor using metre bridge.

CHEMISTRY (043)

MAY

Unit 7: Alcohols, Phenols, Ethers (HALF)

Unit 8: Aldehydes, ketones and carboxylic Acids

Practicals:

1. Preparation of Standard Solution of Mohr's Salt
2. Titration of KMnO_4 Vs Mohr's Salt
3. Salt Analysis

MATHEMATICS(041)

MAY

Chapter 2: Inverse Trigonometric Functions

Chapter 5: Continuity and Differentiability

Practicals:

Activity 3: To sketch the graph a_x and $\log a_x$, $a > 0$, $a \neq 0$ and to examine that they are mirror images of each other.

Activity 4: To find analytically the limit of the function $f(x)$ at $x=c$ and also to check the continuity of the function at that point.

BIOLOGY(044)

MAY

Chapter 4: Principles of Inheritance and Variation

Chapter 5: Molecular Basis of Inheritance

Pacticals:

1. Flowers adapted to pollination by different agencies (wind, insects, birds).
2. Meiosis in onion bud cell or grasshopper testis through permanent slides.
3. Mendelian inheritance using seeds of different colour/sizes of any plant.
4. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.

COMPUTER SCIENCE(083)

MAY

Chapter-11: Simple Queries in SQL

Chapter-12: Table Creation and Data Manipulation Commands

Chapter 13: Grouping Records, Joins in SQL

Chapter 14: Interface Python with My SQL

Practical

MY SQL Queries, My SQL Connectivity

ARTIFICIAL INTELLIGENCE (843)

MAY

Unit 2: Data Science Methodology: An Analytic Approach To Capstone Project (PART B)
Cont...

Unit 1: Communication Skills-IV (PART A)

Unit 5: Green Skills (PART A)

Activity/Practicals:

Implement Linear Regression algorithm on Python IDE.

PHYSICAL EDUCATION (048)

MAY

Unit 4: Physical Education and Sports for CWSN (Children with Special Needs - Divyang)

Unit 5: Sports & Nutrition

PSYCHOLOGY (037)

MAY

Unit II Self and Personality

Unit III Meeting Life Challenges

Practical 2- Self Concept Questionnaire (SCQ)

ACCOUNTANCY (055)

MAY

Unit 3: Change in Existing Profit Sharing Ratio (PSR)

Unit 4: Admission of A Partner

ECONOMICS (030)

MAY

Macro Economics

Unit 1: National Income and Related Aggregates

Indian Economy

Unit 6: Development Experience (1947-90)

#Project work

BUSINESS STUDIES (054)

MAY

Unit 3: Management and Business Environment

Unit 4: Planning

Project Work as per CBSE Guidelines.

PAINTING (049)

MAY

Mughal School: Deccan School

Practical

Unit 1: Nature and Object Study