

SYLLABUS FOR CLASS - XII

SESSION 2021-22

ENGLISH

APRIL

FLAMINGO	Chapter 1	The Last Lesson
	Poem 1	My Mother At Sixty Six
VISTAS	Chapter 1	The Third Level
WRITING SKILL	Notice Writing, Article Writing Letter To The Editor	
READING SKILL	Unseen Comprehension	

MAY/JUNE

FLAMINGO	Chapter 3	Deep Water
	Poem 6	Aunt Jennifer's Tigers
VISTAS	Chapter 5	Should Wizard Hit Mommy
WRITING SKILL	Advertisement (Classified & Display)	
READING SKILL	Unseen Comprehension, Note Making	

JULY

FLAMINGO	Chapter 2	Lost Spring
	Poem 3	Keeping Quiet
VISTAS	Chapter 6	On The Face Of It
WRITING SKILL	Job Application	
READING SKILL	Unseen Comprehension, Note Making	

AUGUST

FLAMINGO	Chapter 5	Indigo
	Chapter 4	The Rattrap
	Poem 4	A Thing Of Beauty
VISTAS	Chapter 4	The Enemy

WRITING SKILL

Report Writing,
Letter Of Placing Order,
Formal Invitations& Replies

READING SKILL

Unseen Comprehension
Note Making

SEPTEMBER

FLAMINGO

Chapter 8 Going Places

Chapter 7 The Interview

VISTAS

Chapter 8 Memories Of Childhood

WRITING SKILL

Debate Writing

OCTOBER

FLAMINGO

Chapter 6 Poets and Pancakes

Poem 5 A Roadside Stand

VISTAS
Earth

Chapter 3 Journey To The End of The

WRITING SKILL

Speech Writing,
Letter of Enquiry
Informal Invitations & Replies

READING SKILL

Unseen Comprehension, Note Making

NOVEMBER

FLAMINGO

Poem 2 An Elementary School
Classroom In a Slum

VISTAS

Chapter 7 Evans Tries an 'O' Level

Chapter 2 The Tiger King

WRITING SKILL

Poster Drafting
Letter of Complaint

PHYSICS (042)

APRIL

Chapter-1 Electric Charges and Field
Electrostatic Potential and Capacitance

Practical
Experiment 1 Ohm's Law
Experiment 2 Meter Bridge

MAY- JUNE

Chapter-3 Current Electricity
Moving Charges and Magnetism

JULY

Chapter-5 Magnetism and Matter
Chapter-6 Electromagnetic Induction
Alternating Current

Practical
Experiment 3 Half Deflection
Experiment 4 Sonometer

AUGUST

Chapter-8 Electromagnetic Waves
Chapter-9 Ray Optics
Chapter- 10 Waves

Practical
Experiment 5 Prism
Experiment 6 Convex Lens

SEPTEMBER

Chapter- 10 Waves (contd.)
Revision

OCTOBER

Chapter -11 Dual Nature of Radiation and Matter
Chapter -12 Atoms
Chapter -13 Nuclei

Practical
Experiment 7

Concave lens

Chapter- 14

NOVEMBER
Semiconductor and Electronic Devices

Practical
Experiment 8

p-n junction

MATHEMATICS (041)

Chapter 3

April
Matrices

Chapter 4

Determinants

Chapter 2

May and June
Inverse Trigonometric Functions

Chapter 5

July
Continuity and Differentiability

Chapter 6

Application of Derivatives

Chapter 7

August
Integration

Chapter 1

September
Relation and Functions

Chapter 8

October
Application of Integrals

Chapter 9

Differential Equations

Chapter 10

November
Vectors

Chapter 11

Three Dimensional Geometry

Chapter 12

December
Linear Programming

Chapter 13

Probability

Activities

JUNE

Limit and continuity of the function

JULY

Maximum and Minimum value of the function through graph

Maximum volume of an Open box made by a given rectangular sheet

AUGUST

Area of Rectangle using AOD

Square has maximum area

SEPTEMBER

Demonstration of a function which is not one one but onto

NOVEMBER

Verification of addition and cross product of vectors Geometrically

Distance between two points in the Space

DECEMBER

Shortest Distance between two skew lines

Conditional Probability

CHEMISTRY (043)

APRIL

Chapter-2

Solutions

Chapter-3

Electrochemistry

MAY-JUNE

Chapter-4

Chemical Kinetics

Chapter-1

Solid State

JULY

Chapter-10

Haloalkanes and Haloarenes

Chapter-11

Alcohols, Phenols and Ethers

Chapter-12
Chapter-13

AUGUST
Aldehydes, Ketones and Carboxylic acids
Organic compounds containing Nitrogen
(Amines)

Chapter-7
Chapter-8

SEPTEMBER
p- block elements
d and f- block Elements

Chapter-8
Chapter-9
Chapter-6

OCTOBER
d and f- block Elements(contd.)
Coordination Compounds
General principles and processes of
isolation of elements.

Chapter-14
Chapter-16

NOVEMBER
Biomolecules
Chemistry in Everyday Life

Practical

APRIL-JULY

Preparation of starch sol.
Crystallisation
Chromatography
Effect of concentration on the rate of reaction
Quantative Analysis(2 Titrations)

AUG.- SEPT.

Salt analysis (12-15 salts)
Analysis of food stuff

OCT.-NOV.

Functional group analysis
Organic preparation

BIOLOGY(044)

APRIL

Chapter 1	Reproduction in Organisms
Chapter 2	Reproduction in Flowering Plants
Chapter 3	Human Reproduction

MAY

Chapter 4	Reproductive Health
Chapter 5	Principle of Inheritance and Variation (half)

JUNE

Chapter 5	Principle of Inheritance and Variation
Chapter 6	Molecular Basis of Inheritance (half)

JULY

Chapter 6	Molecular Basis of Inheritance
Chapter 8	Human Health and Diseases
Chapter 9	Strategies for Enhancement in Food Production

AUGUST

Chapter 10	Microbes in Human Welfare
Chapter 7	Evolution

SEPTEMBER

Chapter 11	Biotechnology: Principles and Processes
Chapter 12	Biotechnology and its Applications (half)

OCTOBER

Chapter 12	Biotechnology and its Applications
Chapter 13	Organisms and its Populations

NOVEMBER

Chapter 14	Ecosystem
Chapter 15	Biodiversity and its Conservation
Chapter 16	Environmental Issues

PRACTICALS

APRIL- JULY

1. Study of pollen germination on a slide.
2. Study of soil sample
 - i) ph
 - ii) Moisture content
 - iii) Water holding capacity
 - iv) Texture
3. Study of given water samples
 - i) PH
 - ii) Presence of living organisms

AUGUST- SEPTEMBER

4. Isolation of DNA from the available plant sample.
5. Study of population density and frequency by quadrat method.
6. Observation and identification of Specimens and permanent slides.

OCTOBER- NOVEMBER

7. Prepare a temporary mount of onion root tip.

8. Study the effect of 1. Temperature and 2. PH

On the activity of salivary amylase on starch.

9. Spottings

10. Pedigree Analysis

11. Adaptations of plants and animals in xerophytic and hydrophytic conditions.

ACCOUNTANCY (055)

APRIL & MAY

Part -B Analysis of Financial Statement

Chapter 1 Financial Statements of a company

Chapter 2 Financial Statement Analysis

Chapter 3 Tools for Financial Statement Analysis

Chapter 4 Accounting Ratios

Chapter 5 Cash Flow Statement

Project Work

JUNE & JULY

Part-A Accounting for Not for Profit Organization, Partnership Firms and Companies

Chapter 1 Not for Profit Organisation

Chapter 2 Fundamentals

Chapter 3 Goodwill

Project Work

AUGUST

Chapter 4	Change in Profit Sharing Ratio
Chapter 5	Admission of a Partner
Chapter 6	Retirement of a Partner
Chapter 7	Death of a Partner

SEPTEMBER

Chapter 8	Dissolution of a Partnership Firm
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OCTOBER

Chapter 8	Dissolution of a Partnership Firm (contd)
Chapter 9	Accounting for Shares

NOVEMBER

Chapter 10	Issue of Debentures
Chapter 11	Redemption of Debentures

ECONOMICS (030)

APRIL-MAY

Part A Introductory Macro Economics

Unit 1	National Income and Related Aggregates
Unit 2	Money and Banking
Unit 4	Government Budget and the Economy

JUNE- JULY

Part B Indian Economic Development

Unit 7	Current challenges facing Indian Economy
Chapter	Rural Development
Chapter	Sustainable Economic Development and Environment

Part A Introductory Macro Economics

Unit 5 Balance of Payment

Foreign Exchange Rate

Introduction to Project work

AUGUST

Unit 6 Development Experience (1947–1990) and Economic Reforms since 1991

Economics Reforms since 1991- Liberalisation, Privatisation and Globalisation (Lesson 1,2 and 3)

Unit 7 Current Challenges facing Indian Economy

Chapter Poverty

Chapter Human Capital Formation

SEPTEMBER

Revision

OCTOBER

Unit 3 Determination of Income and Employment

NOVEMBER

Chapter Infrastructure

Chapter Employment

Unit 8. Development Experience of India, China, Pakistan

BUSINESS STUDIES (054)

APRIL

BOOK 2

Chapter 11 Marketing

MAY

BOOK 1

Chapter 1 Nature and significance of management

Chapter 2 Principles of management

PROJECT WORK

JUNE

Chapter 3 Business Environment

Chapter 4 Planning

JULY

Chapter 5 Organising

Chapter 6 Staffing

AUGUST

Chapter 6 Staffing

Chapter 7 Directing

SEPTEMBER

Chapter 8 Controlling

OCTOBER

Book 2

Chapter 9 Financial Management

Chapter 10 Financial Market

NOVEMBER

Chapter 10 Financial Market

DECEMBER

Chapter 12 Consumer Protection

INFORMATICS PRACTICES (065)

APRIL

Chapter 5 My SQL Revision Tour

Chapter 6 My SQL Functions

Chapter 7 Querying using SQL

MAY

Chapter 8 Joins & Set Operations

JUNE

Chapter 1 Python Pandas 1

JULY

Chapter 2 Python Pandas 2

AUGUST

Chapter 3 Plotting with Pyplot

Chapter 4 Importing/Exporting Data between
CSV files / My SQL & Pandas

SEPTEMBER

Chapter 9 Introduction to Computer network

OCTOBER

Chapter 10 Introduction to Internet & Web

NOVEMBER

Chapter 11 Societal Impacts

DECEMBER

Chapter 12 Data Protection

COMPUTER SCIENCE (083)

APRIL

Chapter 11 Relational Databases

Chapter 12 Simple Queries in SQL

Chapter 13 Table Creation and DML Commands

MAY

Chapter 14 Grouping Records, Joins in SQL

Chapter 1 Python Revision Tour I

JUNE

Chapter 2 Python Revision Tour II

Chapter 3 Working with Functions

JULY

Chapter 6	Recursion
Chapter 4	Python Libraries

AUGUST

Chapter 5	File Handling
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SEPTEMBER

Chapter 7	Idea of Algorithmic Efficiency
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OCTOBER

Chapter 15	Interface Python with MySQL
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NOVEMBER

Chapter 8	Data Structures-1 Linear Lists
Chapter 9	Data Structures-2 Stacks and Queues Using Lists

DECEMBER

Chapter 10	Communication and Network Concepts
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PSYCHOLOGY (037)

APRIL

Chapter- 1	Variations in Psychological Attributes
Test- 1	Intelligence Test RSPM: Raven's Standard Progressive Matrices.

Case Study	Introducing Case-Study Profile using appropriate methods like interview, observation, psychological tests etc.
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MAY

Chapter-2	Self and Personality
Test- 2	Personality Test MPI: Moudsley Personality Inventory

JUNE

Chapter- 3 Meeting Life Challenges
Test- 3 Self Report Inventory
SCQ: Self Concept Questionnaire

JULY

Chapter- 3 Meeting Life Challenges (contd.)
Chapter- 4 Psychological Disorders

AUGUST

Chapter- 4 Psychological Disorders (contd.)
Test- 4 Anxiety Test
SCAT: Sinha's Comprehensive Anxiety Test
Test- 5 Attitude Test:
SAS: Sodhi's Attitude Scale

SEPTEMBER:

Chapter-5 Therapeutic Approaches

OCTOBER

Chapter- 6 Attitude and Social Cognition
Chapter- 7 Social Influences and Group Processes

NOVEMBER

Chapter- 7 Social Influences and Group Processes
(contd.)
Chapter- 8 Psychology and Life

DECEMBER

Chapter- 9 Developing Psychological Skills

HISTORY

APRIL

BOOK 1-THEMES IN INDIAN HISTORY I

Chapter 1	Bricks, Beads and Bones
Chapter 2	Kings, Farmers and Towns
Chapter 3	Kinship, Caste and Class

MAY AND JUNE

Chapter 4	Thinkers ,Beliefs and Buildings
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BOOK 2-THEMES IN INDIAN HISTORY II

Chapter 5	Through the eyes of Travellers
Chapter 6	Bhakti –Sufi Traditions

PROJECT WORK

JULY

Chapter 7	An Imperial Capital-Vijaynagara
Chapter 8	Peasants , Zamindars and the State
Chapter 9	Kings and Chronicles

AUGUST

BOOK III-THEMES IN INDIAN HISTORY-III

Chapter 10	Colonialism and the country side
Chapter 11	Rebels and the Raj

SEPTEMBER

Chapter 12.	Colonial cities
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OCTOBER

Chapter 13 Mahatma Gandhi and the National
Movement

Chapter 14. Understanding Partition

NOVEMBER

Chapter 15 Framing of the Constitution

POLITICAL SCIENCE

APRIL

Book I : Contemporary World Politics

Chapter 1 Cold War and Non-aligned Movement

Chapter 2 The End of Bipolarity

MAY

Chapter 3 New Centres of Power

Chapter 4 South Asia and the Contemporary World

JUNE

Chapter 5 United Nations and its Organization

Chapter 6 Security in Contemporary World

JULY

Chapter 7 Environment and Natural Resources

Chapter 8 Globalization

AUGUST

Book II : Politics in India Since Independence

Chapter 1 Challenges of Nation-Building

Chapter 2 Planning and Development

SEPTEMBER

Chapter 3 India's Foreign Policy

Introduction of Project Work

Revision of Book I

OCTOBER

Chapter 4 Parties and Party Systems in India

Chapter 5 Democratic Resurgence

NOVEMBER

Chapter 6 Social and New Social Movements in India

Chapter 7 Regional Aspirations

Project Submission

DECEMBER

Chapter 8 Indian Politics: Trends and Development

PHYSICAL EDUCATION (048)

APRIL

Unit- I Planning in Sports

Unit- II Sports & Nutrition

MAY

Unit - III Yoga & Lifestyle

JUNE & JULY

Unit - IV Physical Education and Sports for

CWSN

Unit -V Children & Women in Sports

	AUGUST
Unit - VI	Test & Measurement in Sports
Unit - VII	Physiology & injuries in sports
	SEPTEMBER
Unit - VIII	Biomechanics & Sports
	OCTOBER
Unit - IX	Psychology & Sports
	NOVEMBER
Unit - X	Training in Sports

GENERAL STUDIES

APRIL	Science & Society Facts, Theories and Laws Dispelling superstitions & myths Major Landmarks in the history of science in India
MAY	Contemporary Problems of Indian Society Poverty Illiteracy Unemployment Social Inequalities Population & Wealth
JUNE & JULY	Cultural Heritage of India India's Historical Framework Evolution of Indian Culture Language, dance & literature
AUGUST	India's Freedom struggle Contribution of leaders

OCTOBER

Constitution's value

Preamble

Features & Implications

Legal provisions

NOVEMBER

Human Rights

Historical Prospective

Civil & Political Rights

Economic, Social & Cultural Rights

Gender Equality

S.U.P.W**APRIL & MAY** Project report on Swachh Vidyalaya i.e

Swachh Bharat

- Clean India
- Save Tree
- Make in India
- Fit India

JUNE & JULY Project on "Care for Homeless Children"

Report preparation on visit to any orphanage &

Submit report with pictures on the same

AUGUST

Pictorial presentation on Health issues causing

Havoc in society

OCTOBER

Tree Plantation Drive

NOVEMBER

Rangoli on Social Issue

विषय - हिंदी

पाठ्यक्रम: निर्धारितपुस्तक
अंतराभाग2
अंतरालभाग2
अभिव्यक्तित्वमाध्यम

अप्रैल

अंतरा

पद्यखंड

पाठ - जयशंकर प्रसाद

पाठ - सूर्यकांत त्रिपाठी निराला

गद्यखंड

पाठ - प्रेमधन की छाया स्मृति

पाठ- कच्चा चिट्ठा

पाठ - सुमिरनी के मनके

अपठितबोध, वविचारलेखन - प्रत्येकएक

मई / जून

अंतरा

पद्यखंड

पाठ - केदार नाथ सिंह

गद्यखंड

पाठ - संवदिया

जुलाई

अंतरा

पद्यखंड

पाठ - विष्णु खरे

पाठ - 2 देव

गद्यखंड

पाठ - गाँधी नेहरू और यास्सर अराफ़ात

पाठ - लघु कथाएँ : शेर , पहचान ' चार हाथ ' साझा

अंतराल

पाठ - सूरदास की झोपड़ी

पाठ - आरोहण

अगस्त

अंतरा

पद्यखंड

पाठ - रघुवीर सहाय

गद्यखंड

पाठ - यथास्मै रोचते विश्वम्

अंतराल

पाठ - बिस्कोहर की माटी

अक्तूबर

अंतरा

पद्यखंड

पाठ - तुलसी दास

पाठ - मलिक मुहम्मद जायसी

पाठ - विद्यापति

गद्यखंड

पाठ - दूसरा देवदास

पाठ - जहाँ कोई वापसी नहीं

लेखन , नाटक कैसे लिखें

नवंबर

अंतरा

पद्यखंड

पाठ - घनानंद

गद्यखंड

पाठ - कुटज

अंतराल

पाठ - अपना मालवा खाऊ - उजाड़ सभ्यता

अभिव्यक्तिवमाध्यम

पाठ - जनसंचार की विधाएँ

पाठ - कहानी लेखन

पाठ - 'रचनात्मक लेखन ' व्यावहारिक लेखन