



**APEX PUBLIC SCHOOL**

**CLASS - XII**

**HALF YEARLY SYLLABUS**



# ENGLISH

Flamingo

Prose

1. Last Lesson
2. Lost Spring
3. Deep water
4. Rattrap
5. Indigo

Poetry

1. My mother at sixty six
2. Keeping quiet
3. A thing of beauty
4. A Roadside Stand

VISTAS

1. The Third Level
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3. The Tiger King
  4. The Journey to the end of the Earth
  5. The Enemy

## Writing

1. NOTICE
2. Invitation
3. Letter to the Editor
4. Article Writing

# MATHS

CHP- 1. RELATION AND FUNCTION

CHP- 2. INVERSE TRIGNOMETRY

CHP- 3. MATRICES

CHP- 4. DETERMINANTS

CHP- 5. CONTINUITY AND DIFFERENTIATION

CHP- 6. APPLICATION OF DERIVATIVE

CHP- 7. INTEGRATION

CHP- 8. APPLICATION OF INTEGRATION

CHP- 9. DIFFERENTIAL EQUATION

# PHYSICS

UNIT 1 . *Electrostatics*

UNIT 2. *Current Electricity*

UNIT 3. *Magnetism*

UNIT 4. *EMI and AC*

UNIT 5. *EM waves*

# CHEMISTRY



Ch-1: Solution

Ch-5: D and F block elements

Ch-7: haloalkanes and haloarenes

Ch-8: alcohol, phenol and ether

Ch-9: aldehyde, ketone and carboxylic acid





# BIOLOGY

- Ch.1: Sexual Reproduction in Flowering Plants
- Ch.2: Human Reproduction
- Ch.3: Reproductive Health
- Ch.4: Principles of Inheritance and Variation
- Ch.5: Molecular Basis of Inheritance
- Ch.7: Human Health and Disease
- Ch.8: Microbes in Human Welfare
- Ch.9: Biotechnology, Principles and Processes
- Ch.10: Biotechnology and it's Application

# COMPUTER SCIENCE

Ch 1 Review of Python

Ch 2 Functions

Ch 3 Exception Handling

Ch 4 File Handling

Ch 7 RDBMS and SQL

Ch 8 Interface Python with MySql



# INFORMATION PRACTICES

Ch 1 Python Pandas data structure

Ch 2 Data Visualization

Ch 3 Relational Databases and SQL

Ch 4 SQL Functions

Ch 6 Societal Impacts

# BUSINESS STUDIES

## Principles and Functions of Management

1. Nature and Purpose of Management
2. Principles of Management
3. Business Environment
4. Planning
5. Organising
6. Staffing
7. Directing

# ECONOMICS

## PART- A: INTRODUCTORY MACROECONOMICS

1. Introduction
2. Some basic concept of macro economics
3. National income and related aggregates
4. Methods of calculating national income
5. Banking
6. Government budget and the economy
7. Foreign exchange
8. Balance of payment

## PART- B: INDIAN ECONOMIC DEVELOPMENT

1. Indian economy (1950-1990)
2. Economic reforms since 1991: New Economic Policy
3. Human capital formation in India
4. Rural development

# ACCOUNTANCY

Accounting for Partnership Firm

1. Fundamentals of partnership
2. Valuation of Goodwill
3. Change in PSR
4. Admission of a partner
5. Retirement and Death of a partner
6. Dissolution of a partnership Firm

# HISTORY

Theme one- bricks, beads and bones

Theme two- Kings, Farmers And Towns

Theme three- Kinship, caste and class.

Theme four- Thinkers, beliefs and building

Theme five- Through the eyes of traveller

Theme six- Bhakti - Sufi traditions

Theme seven- An imperial capital:  
Vijaynagar



# POLITICAL SCIENCE

## Part :1 Contemporary World politics

Chapter 1 End of bipolarity

Chapter 2 New centres of power

Chapter 3 Contemporary South Asia

Chapter 4 International organisation

## Part:B Politics in India since independence

Chapter 1 challenges of nation building

Chapter 2 One party dominance

Chapter 3 Politics of planned development

Chapter 4 India External relations



# SOCIOLOGY

## A. Indian Society

1. The Demographic Structure of Indian Society.
2. Social Institutions: Continuity and Change
3. Patterns of Social Inequality and Exclusion
4. The Challenges of Cultural Diversity

## B. Social Change and Development in India

1. Structural Change
2. Cultural Change
3. Social Movements

# LEGAL STUDIES

UNIT 1 : JUDICIARY

UNIT 3: TOPICS IN LAW ( ALL CHPS)

UNIT 4: TOPICS IN LAW II (ALL CHPS)

UNIT 5: CONCEPT OF HUMAN RIGHTS  
(ALL CHPS)

# PHYSICAL EDUCATION

UNIT 1: MANAGEMENT OF SPORTING EVENTS

UNIT 2: CHILDREN AND WOMEN IN SPORTS

UNIT 3: YOGA AS PREVENTIVE MEASURE FOR LIFESTYLE DISEASE

UNIT 4: PHYSICAL EDUCATION AND SPORTS FOR (CWSN)

UNIT 5: SPORTS AND NUTRITION

UNIT 6: TEST AND MEASUREMENT IN SPORTS

UNIT 7: PHYSIOLOGY AND INJURIES IN SPORTS

UNIT 8: BIOMECHANICS AND SPORTS

UNIT 9: PSYCHOLOGY AND SPORTS

UNIT 10: TRAINING AND SPORTS