

CLASS 12 ANNUAL SYLLABUS [2024-2025]

ENGLISH

FLAMINGO:

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PROSE:

1. The Last Lesson
2. Lost Spring
3. Deep Water
4. The Rattrap
5. Indigo
6. Poets and Pancakes
7. The Interview
8. Going Places

POETRY:

1. My Mother at Sixty-Six
2. Keeping Quiet
3. A Thing of Beauty
4. A Roadside Stand
5. Aunt Jennifer's Tigers

VISTAS:

1. The Third Level
2. The Tiger King
3. Journey to the end of the Earth
4. The Enemy
5. On the Face of It
6. Memories of Childhood
 - The Cutting of My Long Hair
 - We Too are Human Beings

CREATIVE WRITING:

- A. 1. Notice
2. Invitation and Replies

B. LETTER-WRITING:

Letters to the Editor
Job Application

C. LONG WRITING SKILL

Report Writing
Article Writing

INTERNAL ASSESSMENT (20 Marks)

Assessment of speaking and listening (5+5)
Project Activity (10)

- BRIDGE COURSE:**
1. Use of capital letters and apostrophes
 2. Literary Devices

BIOLOGY

- Chapter 2 Sexual Reproduction in Flowering Plants
- Chapter 3 Human Reproduction
- Chapter 4 Reproductive Health
- Chapter 5 Principles of Inheritance and Variation
- Chapter 6 Molecular Basis of Inheritance
- Chapter 7 Evolution
- Chapter 8 Human Health and Diseases
- Chapter 10 Microbes in Human Welfare
- Chapter 11 Biotechnology Principles and Processes
- Chapter 12 Biotechnology and Its Application
- Chapter 13 Organisms and Populations
- Chapter 14 Ecosystem
- Chapter 15 Biodiversity and Conservation

MATHEMATICS

1. Relations and Functions
2. Inverse Trigonometric Functions
3. Matrices
4. Determinants
5. Continuity and Differentiability
6. Application of Derivatives
7. Integrals
8. Application of Integrals
9. Differential Equations
10. Vector Algebra
11. Three-Dimensional Geometry
12. Linear Programming
13. Probability

PHYSICS

1. Electric Charges and Fields
2. Electrostatic Potential and Capacitance
3. Current Electricity
4. Moving Charges and Magnetism
5. Magnetism and Matter
6. Electromagnetic Induction
7. Alternating Current
8. Electromagnetic Waves

9. Ray Optics and Optical Instruments
10. Wave optics
11. Dual Nature of Radiation and Matter
12. Atoms
13. Nuclei
14. Semiconductor Electronics: Materials, Devices and Simple Circuits

CHEMISTRY

1. Solutions
2. Electrochemistry
3. Chemical Kinetics
4. D & F block elements
5. Coordination Compounds
6. Haloalkanes and Haloarenes

7. Alcohols, Phenols and ethers
8. Aldehydes, Ketones and carboxylic acids
9. Amines
10. Biomolecules

ACCOUNTANCY

1. Reversing Adjustments in financial statements (XI)
2. Ratios and Percentages
3. Accounting for Partnership: Basic Concepts
4. Reconstitution of a Partnership Firm- Admission of a Partner
5. Reconstitution of a Partnership Firm- Retirement/Death of a Partner
6. Dissolution of a Partnership Firm
7. Accounting for Share Capital
8. Financial Statements of a Company
9. Issue of Debentures

10. Financial Statement Analysis,
11. Accounting Ratios
12. Analysis of Financial Statements
13. Cash Flow Statement

BUSINESS STUDIES

1. Sources of Business Finance (XI)
2. Nature and Significance of Management
3. Principles of Management
4. Business Environment
5. Planning
6. Organising

7. Staffing
8. Directing
9. Controlling
10. Marketing Management
11. Financial Management
12. Financial Markets
13. Consumer Protection

ECONOMICS

Part A: Introductory Macroeconomics

- Money and Banking
- Government Budget and the Economy
- Balance of Payments
- National Income and Related Aggregates

Part B: Indian Economic Development

- Development Experience (1947-90) and Economic Reforms since 1991:
 - Indian Economy on the eve of Independence
 - Indian Economy (1950-90)
 - Liberalisation, Privatisation and Globalisation : An Appraisal
- Current challenges facing Indian Economy
 - Human Capital Formation

Part A: Introductory Macroeconomics

- Determination of Income and Employment

Part B: Indian Economic Development

- Current challenges facing Indian Economy
 - Rural development
 - Employment
 - Sustainable Economic Development
- **Development Experience of India – A Comparison with Neighbors-**
 - Comparative Development Experience of India and its Neighbors

One Project (20 marks) (learners will complete only ONE project)

SOCIOLOGY

Book -1

Indian Society

Chap-2 The Demographic Structure of the Indian Society

Chap-3 Social Institutions – Continuity and Change

Chap-5 Patterns of Social Inequality and Exclusion

Chap-6 The Challenges of Cultural Diversity

Book-2

Social Change and Development in Indian Society

Chap- 1 Structural Change

Chap-2 Cultural change

Chap-4 Change and Development in Rural Society

Chap-5 Change and Development in Industrial Society

Chap-8 Social Movements

GEOGRAPHY

TERM I

Book I- Fundamentals Of Human Geography

Human Geography

The World Population Distribution, Density And Growth

Human Development

Primary Activities

Secondary Activities

Tertiary And Quaternary Activities

International Trade

Book II India People & Economy

Population: Distribution, Density, Growth And Composition

Human Settlements

Land Resources And Agriculture

Water Resources

Mineral And Energy Resources

Planning And Sustainable Development In Indian Context

International Trade

Practical Work In Geography

Data- Its Source And Compilation

Data Processing

Book I Fundamentals Of Human Geography

Transport And Communication

Book II India People And Economy

Transport And Communication

Geographical Perspective On Selected Issues And Problems

Practical Work In Geography

Graphical Representation Of Data

Spatial Information Technology

HISTORY

Themes in Indian History Part-I

Theme 1 Bricks, Beads and Bones

Theme 2 Kings, Farmers and Towns

Theme 3 Kinship, Caste and Class

Theme 4 Thinkers, Beliefs and Buildings

Themes In Indian History Part-II

Theme 5 Through the Eyes of Travelers

Theme 6 Bhakti –Sufi Traditions

Theme 7 An Imperial Capital: Vijayanagar

Theme 8 – Peasants, Zamindars and the State

Themes In Indian History Part-III

Theme 10 Colonialism and The Countryside

Theme 11 Rebels and the Raj

Theme 13 Mahatma Gandhi and the Nationalist Movement

Theme 15 Framing the Constitution

POLITICAL SCIENCE

1. End of bipolarity
2. New centres of power
3. Contemporary South Asia Challenges of nation building
4. Planning and development
5. India's foreign policy
6. Parties and the party system in india
7. Democratic resurgence
8. United nations and its organizations
9. Security in contemporary world
- 10.Environment and natural resources

- 11.Globalization
12. Regional aspirations
Indian Politics: trends and developments

PSYCHOLOGY

Chapter 1 Variation in Psychological Attribute:
Chapter 2 Self and Personality
Chapter 3 Meeting Life Challenges
Chapter 4 Psychological disorders

3 practical and case file

Chapter 5 Therapeutic Approaches
Chapter 6 Attitude and Social Cognition
Chapter 7 Social Influence and group Processes

case file contd and 2 practicals

COMPUTER SCIENCE

Unit I: Computational Thinking and Programming

- 2

- Revision of Python topics covered in Class XI.

Unit II: Computer Networks

- Evolution of networking
- Data communication terminologies
- Transmission media and Network devices
- Network protocols, topologies and types
- Introduction to web services

Unit III: Database Management

- Database concepts and Relational data model
- Structured Query Language

Functions

- Exception Handling
- Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths
- Text file
- Binary file
- CSV file
- Data Structure

Interface of python with an SQL database

INFORMATION TECHNOLOGY

Employability Skills

Unit 1 :Communication Skills-IV
Unit 2: Self-Management Skills-IV
Unit 3: ICT Skills-IV

Subjected Specific Skills

Unit 2: Operating Web based Applications.
Unit 1: RDBMS

Employability Skills

Unit 4: Entrepreneur Skills-IV
Unit 5: Green Skills-IV

Subjected Specific Skills

Unit 3: Java Fundamentals
Unit 4:Work Integrated Learning IT

PHYSICAL EDUCATION

1. Management of Sportting Events.
2. Children and Women in Sports
3. Yoga as Preventive Measures for Lifestyle Disease
4. Physical Education and Sports for CWSN (Children With Special Need)
5. Sports and Nutrition

6. Test and Measurement in Sports
7. Physiology and Injuries in Sports
8. Biomechanics and Sports
9. Psychology and Sports
10. Training in Sports

HEATH AND WELLNESS OF SCHOOL-GOING ADOLESCENTS

Theme:3 Interpersonal relationships
Theme: 4 Value & Citizenship
Theme:9 Reproductive Health & HIV Prevention

Theme:10 Safety and Security Against Violence and Injuries (to be conducted as Guest Lecture/First Aid Demo/Drills)

