



**AKSIPS-45 SMART SCHOOL
TERM WISE SYLLABUS
Class-XI (Session: 2024-2025)**

**ENGLISH CORE
(301)
TERM I**

READING SKILLS:

I Reading Comprehension through Unseen Passages.

1. One unseen passage to assess comprehension, interpretation, analysis, inference and vocabulary. The passage may be factual, descriptive or literary.
2. One unseen **case-based factual** passage with verbal/visual inputs like statistical data, charts etc. to assess comprehension, interpretation, analysis, inference and evaluation.

GRAMMAR :

1. Questions on Gap filling (Tenses, Clauses).
2. Questions on re-ordering/transformation of sentences.

CREATIVE WRITING SKILLS:

1. Short writing task – Classified Advertisements (50 words).
2. Long Writing task: Speech in 120-150 words based on verbal / visual cues related to contemporary / age-appropriate topic.

LITERATURE:

HORNBILL:

Prose:

- Lesson 1 The Portrait of a Lady
- Lesson 2 We're Not Afraid To Die... If We Can All Be Together
- Lesson 3 Discovering Tut: The Saga Continues

Poems:

- A Photograph
- The Laburnum Top
- The Voice of the Rain

SNAPSHOTS:

- Lesson 1 The Summer of the Beautiful White Horse
- Lesson 2 The Address
- Lesson 5 Mother's Day (Play)

TERM II

READING SKILLS:

1. Reading Comprehension through Unseen Passages.
2. Note Making and Summarization based on a passage of approximately 200-250 words.

GRAMMAR :

1. Questions on Gap filling (Tenses, Clauses).
2. Questions on re-ordering/transformation of sentences.

CREATIVE WRITING SKILLS:

1. Short writing task –Poster up to 50 words.
2. Long Writing Task: Debate based on visual/verbal inputs in 120-150 words, thematically related to contemporary, topical issues.

LITERATURE:

Hornbill:

- Lesson 7 The Adventure
- Lesson 8 Silk Road

Poems:

- Childhood
- Father to Son

Snapshots:

- Lesson 7 Birth.
- Lesson 8 The Tale of Melon City

Internal Assessment:

- Assessment of Listening Skills-5 marks
- Assessment of Speaking Skills-5 marks
- Project Work-10 marks

PHYSICAL EDUCATION (048)

TERM I

Unit 1: Changing Trends and Career in Physical Education

Unit 2: Olympic Value Education

Unit 3: Yoga

Unit 7: Fundamental of Anatomy, Physiology in Sports

Unit 8: Fundamentals of Kinesiology and Biomechanics in Sports

TERM II

Unit 4: Physical Education and Sports for CWSN

Unit 5: Physical Fitness, Wellness

Unit 6: Test, Measurements and Evaluation

Unit 9: Psychology and Sports

Unit 10: Training and Doping in Sports

PHYSICS (042)

TERM I

Chapter 1: Physical World and Measurement
Chapter 2: Units and Measurements
Chapter 3: Motion in a Straight Line
Chapter 4: Motion in a Plane
Chapter 5: Laws of Motion
Chapter 6: Work, Energy and Power
Chapter 7: System of Particles and Rotational Motion
Chapter 8: Gravitation

TERM II

Chapter 9: Mechanical Properties of Solids
Chapter 10: Mechanical Properties of Fluids
Chapter 11: Thermal Properties of Matter
Chapter 12: Thermodynamics
Chapter 13: Kinetic Theory
Chapter 14: Oscillations
Chapter 15: Waves

CHEMISTRY (043)

TERM I

Unit 1: Some Basic Concepts of Chemistry
Unit 2: Structure of Atom
Unit 3: Classification of Elements and Periodicity in Properties
Unit 4: Chemical Bonding and Molecular Structure
Unit 5: Chemical Thermodynamics

TERM II

Unit 6: Equilibrium
Unit 7: Redox Reactions
Unit 8: Organic Chemistry: Some Basic Principles and Techniques
Unit 9: Hydrocarbons

MATHEMATICS (041)

TERM I

Chapter 1: Sets
Chapter 2: Relations and Functions
Chapter 4: Complex Numbers and Quadratic Equations
Chapter 8: Sequence and Series
Chapter 9: Straight Lines
Chapter 12: Limits
Chapter 13: Statistics

TERM II

Chapter 3: Trigonometric Functions
Chapter 5: Linear Inequalities
Chapter 6: Permutations and Combinations
Chapter 7: Binomial Theorem
Chapter 10: Conic Sections
Chapter 11: Introduction to Three-Dimensional Geometry
Chapter 12: Derivatives
Chapter 14: Probability

BIOLOGY (044) TERM I

Chapter 1: The Living World
Chapter 2: Biological Classification
Chapter 3: Plant Kingdom
Chapter 4: Animal Kingdom
Chapter 5: Morphology of Flowering Plants
Chapter 6: Anatomy of Flowering Plants
Chapter 7: Structural Organization in Animals
Chapter 8: Cell: The Unit of Life
Chapter 9: Biomolecules
Chapter 10: Cell Cycle and Cell Division

TERM II

Chapter 11: Photosynthesis in Higher Plants
Chapter 12: Respiration in Plants
Chapter 13: Plant Growth and Development.
Chapter 14: Breathing and Exchange of Gases
Chapter 15: Body Fluids and Circulation
Chapter 16: Excretory Products and their Elimination
Chapter 17: Locomotion and Movement.
Chapter 18: Neural Control and Coordination
Chapter 19: Chemical Coordination and Integration

ACCOUNTANCY (055) TERM I

Financial Accounting – I

Unit –I Theoretical Framework
Chapter 1 Introduction to Accounting
Chapter 2 Theory Base of Accounting
Unit – II Accounting Process
Chapter 3 Recording of Transactions – I
Chapter 4 Recording of Transactions – II
Chapter 5 Bank Reconciliation Statement
Chapter 6 Trial Balance and Rectification of Errors
Chapter 7 Depreciation, Provisions and Reserves

TERM II

Financial Accounting – II

Unit 3: Financial Statements of Sole Proprietorship

Chapter 8 Financial Statements – I

Chapter 9 Financial Statements – II

Chapter 10 Incomplete Records

Project Work – 20 Marks

BUSINESS STUDIES (054)

TERM I

Chapter 1: Nature and Purpose of Business

Chapter 2: Forms of Business Organisations

Chapter 3: Public, Private and Global Enterprises

Chapter 4: Business Services

Chapter 5: Emerging Modes of Business

Chapter 6: Social Responsibilities of a Business and Business Ethics

TERM II

Chapter 7: Sources of Business Finance

Chapter 8: Small Business

Chapter 9: Internal Trade

Chapter 10: International Business

Project Work (One)

ECONOMICS (030)

TERM I

PART A : Statistics for Economics

Unit 1: Introduction

Unit 2: Collection, Organisation and Presentation of Data

Unit 3: Statistical Tools and Interpretation of Data

Measures of Central Tendency- Arithmetic Mean, Median and Mode

PART B: Introductory Micro Economics

Unit 4: Introduction

Unit 5: Consumer's Equilibrium and Demand

TERM II

PART A : Statistics for Economics

Unit 3: Statistical Tools and Interpretation

Correlation and Index Numbers

PART B: Introductory Micro Economics

Unit 6: Producer Behaviour and Supply

Unit 7: Perfect Competition – Price Determination & Simple Applications

PART C: Project in Economics

COMPUTER SCIENCE (083)
TERM I

Chapter 1: Computer System
Chapter 2: Encoding Schemes and Number System Chapter 3: Emerging Trends
Chapter 4: Introduction to Problem Solving
Chapter 5: Getting Started with Python
Chapter 6: Flow of Control

TERM II

Chapter 7: Functions
Chapter 8: Strings
Chapter 9: Lists
Chapter 10: Tuples and Dictionaries
Chapter 11: Societal Impact

PSYCHOLOGY (037)
TERM I

Chapter 1: What is Psychology?
Chapter 2: Methods of Enquiry in Psychology
Chapter 4: Human Development
Chapter 5: Sensory, Attention and Perceptual Processes

• **PROJECT WORK**

TERM II

Chapter 6: Learning
Chapter 7: Human Memory
Chapter 8: Thinking
Chapter 9: Motivation and Emotion

• **TWO PRACTICALS**

POLITICAL SCIENCE (028)

PART-A : Indian Constitution at Work

TERM I

Lesson 1: Constitution: Why and How?
Lesson 2: Rights in the Indian Constitution
Lesson 3: Election and Representation
Lesson 4: Executive
Lesson 5: Legislature

TERM II

Lesson 6: Judiciary
Lesson 7: Federalism
Lesson 8: Local Governments
Lesson 9: Constitution as a Living Document
Lesson 10: The Philosophy of the Constitution

PART-B : Political Theory

TERM I

Lesson 1: Political Theory: An Introduction
Lesson 2: Liberty
Lesson 3: Equality
Lesson 4: Social Justice

TERM II

Lesson 5: Rights
Lesson 6: Citizenship
Lesson 7: Nationalism
Lesson 8: Secularism

● PROJECT WORK

Class XII (Session: 2024-25) ENGLISH CORE (301) TERM I & II

READING SKILLS:

I Reading Comprehension through Unseen Passages.

1. One unseen passage to assess comprehension, interpretation, analysis, inference and vocabulary. The passage may be factual, descriptive or literary.
2. One unseen **case-based factual** passage with verbal/visual inputs like statistical data, charts etc.to assess comprehension, interpretation, analysis, inference and evaluation.

TERM I

LITERATURE

FLAMINGO:

(Prose)

Chapter 1 The Last Lesson
Chapter 2 Lost Spring
Chapter 3 Deep Water
Chapter 4 The Rattrap

(Poetry):

- My Mother at Sixty Six
- Keeping Quiet
- A Thing of Beauty

VISTAS:

Chapter 1 The Third Level
Chapter 2 The Tiger King
Chapter 3 Journey to the End of the Earth

WRITING SKILLS: Notice Writing, Report Writing, Job Application/ Letter to the Editor

TERM II

FLAMINGO:

(Prose)

Chapter 5 Indigo

Chapter 6 Poets and Pancakes

Chapter 7 The Interview

Chapter 8 Going places

(Poetry)

- A Roadside Stand
- Aunt Jennifer's Tigers

VISTAS:

Chapter 4 The Enemy

Chapter 6 On the Face of It

Chapter 8 Memories of Childhood

WRITING SKILLS: Invitations (formal and informal& replies), Article Writing.

Internal Assessment

- Assessment of Listening Skills-5 marks
- Assessment of Speaking Skills-5 marks
- Project Work-10marks

PHYSICS (042)

TERM I

Chapter 1: Electric Charges and Fields

Chapter 2: Electrostatic Potential and Capacitance

Chapter 3: Current Electricity

Chapter 4: Moving Charges and Magnetism

Chapter 5: Magnetism and Matter

Chapter 6: Electromagnetic Induction

Chapter 7: Alternating Current

TERM II

Chapter 8: Electromagnetic Waves

Chapter 9: Ray Optics and Optical Instruments

Chapter 10: Wave Optics

Chapter 11: Dual Nature of Radiation and Matter

Chapter 12: Atoms

Chapter 13: Nuclei

Chapter 14: Semi-Conductor

Electronics: Materials, Devices and Simple Circuits

CHEMISTRY (043)

TERM I

Unit 1- Solutions

Unit 2 - Electrochemistry

Unit 3- Chemical Kinetics

Unit 4 - d - & f- block Elements

Unit 5 - Coordination Compounds

TERM II

- Unit 6 - Haloalkanes and Haloarenes
- Unit 7 - Alcohols, Phenols and Ethers
- Unit 8 - Aldehydes, Ketones and Carboxylic Acids
- Unit 9 - Amines
- Unit 10 – Biomolecules

MATHEMATICS (041)

TERM I

- Chapter 1 Relations and Functions
- Chapter 2 Inverse Trigonometric Functions
- Chapter 3 Matrices
- Chapter 4 Determinants
- Chapter 5 Continuity and Differentiability
- Chapter 6 Applications of Derivatives
- Chapter 12 Linear Programming

TERM II

- Chapter 7 Integrals
- Chapter 8 Applications of the Integrals
- Chapter 9 Differential Equations
- Chapter 10 Vectors
- Chapter 11 Three - Dimensional Geometry
- Chapter 13 Probability

BIOLOGY (044)

TERM I

Reproduction

- Chapter 2 Sexual Reproduction in Flowering Plants
- Chapter 3 Human Reproduction
- Chapter 4 Reproductive Health

Genetics and Evolution

- Chapter 5 Principles of Inheritance and Variation
- Chapter 6 Molecular Basis of Inheritance
- Chapter 7 Evolution

TERM II

Biology and Human Welfare

- Chapter 8 Human Health and Disease
- Chapter 10 Microbes in Human Welfare

Biotechnology and its Applications

- Chapter 11 Biotechnology- Principles and Processes
- Chapter 12 Biotechnology and its Applications

Ecology and Environment

- Chapter 13 Organisms and Population
- Chapter 14 Ecosystem
- Chapter 15 Biodiversity and its Conservation

PHYSICAL EDUCATION (048)

TERM I

- Chapter 1: Management of Sporting Events
- Chapter 2: Children and Women in Sports
- Chapter 5: Sports and Nutrition
- Chapter 6: Test and Measurement in Sports
- Chapter 8: Biomechanics and Sports

TERM II

- Chapter 3: Yoga as Preventive Measures for Lifestyle Disease
- Chapter 4: Physical Education and Sports for (CWSN)
- Chapter 7: Physiology and Injuries in Sports
- Chapter 9: Psychology and Sports
- Chapter 10: Training in Sports

ACCOUNTANCY (055)

TERM I

PART A - Accounting for Partnership Firms and Companies

- Chapter 1 Accounting for Partnership Firms
- Chapter 2 Goodwill: Nature and Valuation
- Chapter 3 Change in Profit Sharing Ratio among the Existing Partners
- Chapter 4 Admission of a Partner
- Chapter 5 Retirement of a Partner
- Chapter 6 Death of a Partner
- Chapter 7 Dissolution of Partnership Firm

Volume -2 Accounting for Companies

UNIT 3 Accounting for Companies

- Chapter 8 Accounting for Share Capital

TERM II

- Chapter 9 Issue of Debentures

Volume -3 Analysis of Financial Statements

- Chapter 1 Financial Statements of a Company
- Chapter 2 Financial Statement Analysis
- Chapter 3 Accounting Ratios
- Chapter 4 Cash Flow Statement
- Chapter 5 Tools for Financial Statement Analysis - Comparative Statements and Common-size Statements
- Project Work – 20 Marks

BUSINESS STUDIES (054)

TERM I

PART A: Principles and Functions of Management

- Chapter 1: Nature and Significance of Management
- Chapter 2: Principles of Management
- Chapter 3: Business Environment
- Chapter 4: Planning

PART B: Business Finance and Marketing

Chapter 11: Marketing Management

Chapter 12: Consumer Protection

TERM II

PART A: Principles and Functions of Management

Chapter 5: Organising

Chapter 6: Staffing

Chapter 7: Directing

Chapter 8: Controlling

PART B: Business Finance and Marketing

Chapter 9: Financial Management

Chapter 10: Financial Markets

Project Work (One)– 20 Marks

ECONOMICS (030)

TERM I

Introductory Macroeconomics:

Unit 1: National Income and Related Aggregates

Unit 2: Money and Banking

Unit 3: Determination of Income and Employment

Unit 4: Government Budget and the Economy

Indian Economic Development:

Unit 6: Development Experience (1947-90)
and Economic Reforms since 1991

TERM II

Introductory Macroeconomics:

Unit 5: Balance of Payments

Indian Economic Development:

Unit 7: Current Challenges facing Indian Economy:

- Human Capital Formation
- Rural Development
- Employment
- Sustainable Development

Unit 8: Development Experience of India-A comparison with Neighbours

PSYCHOLOGY (037)

TERM I

Unit 1 Variations in Psychological Attributes

Unit 2 Self and Personality

Unit 3 Meeting Life Challenges

TERM II

Unit 4 Psychological Disorders

Unit 5 Therapeutic Approaches

Unit 6 Attitude and Social Cognition

Unit 7 Social Influence and Group Processes

PRACTICALS AND CASE STUDY

PROJECT WORK

COMPUTER SCIENCE (083)
CLASS – 12

TERM I

Computational Thinking and Programming

TERM II

Computer Networks

Database Management

POLITICAL SCIENCE (028)

TERM I

Part A: Contemporary World Politics

Chapter-1 The End of Bipolarity

Chapter -2 Contemporary Centers of Power

Chapter -3 Contemporary South Asia

Chapter -4 International Organizations

Part B: Politics in India Since Independence

Chapter -1 Challenges of Nation-Building

Chapter -2 Era of One- Party Dominance

Chapter -3 Politics of Planned Development

Chapter -4 India's External Relations

Chapter -5 Challenges to and Restoration of the Congress System

TERM II

Part A: Contemporary World Politics

Chapter -5 Security in Contemporary World

Chapter -6 Environment and Natural Resources

Chapter -7 Globalisation

Part B: Politics in India Since Independence

Chapter - 6 The Crisis of Democratic Order

Chapter -7 Regional Aspirations

Chapter -8 Recent Developments in Indian Politics

Project Work