

**TERMWISE SYLLABUS (2023-24)**  
**CLASS XI**

**ENGLISH (301)**  
**TERM I**

**Hornbill (Reader)**

1. The Portrait of A Lady
2. Discovering Tut: The Saga Continues
3. The Adventure
4. A Photograph (Poem)
5. The Voice of the Rain (Poem)

**Snapshots (Supplementary Reader)**

1. The Summer of the Beautiful White Horse
2. The Address

**General English/Writing Skills**

1. Passages to assess comprehension, Note- making
2. Poster Designing
3. Classified Advertisements
4. Speech writing based on verbal/ visual cues related to some contemporary topic.
5. Debate writing based on verbal/ visual inputs based on contemporary topical issues.

**Grammar**

1. Tenses
2. Clauses
3. Re-ordering/ Transformation of Sentences

**TERM II**

**Hornbill (Reader)**

1. We're Not Afraid to Die...if We Can All Be Together
2. The Laburnum Top (Poem)
3. Childhood (Poem)
4. Silk Road
5. Father to Son (Poem)

**Snapshots (Supplementary Reader)**

1. Mother's Day
2. Birth
3. The Tale of Melon City

**General English/Writing Skills**

1. Passages to assess comprehension, Note- making
2. Poster Designing
3. Classified Advertisements
4. Speech writing based on verbal/ visual cues related to some contemporary topic.
5. Debate writing based on verbal/ visual inputs based on contemporary topical issue

**Grammar**

1. Tenses
2. Clauses
3. Re-ordering/ Transformation of Sentences

**MATHEMATICS (041)**  
**TERM I**

**Unit -I: Sets and Functions**

Ch-1 : Sets

Ch-2 : Relations and Functions

Ch – 3 : Trigonometric Functions

**Unit – II : Algebra**

Ch – 4 : Complex Numbers

Ch – 5 : Linear Inequalities

Ch – 6 : Permutations and Combinations

Ch – 8 : Sequences and Series

**Unit – III : Coordinate Geometry**

Ch – 9 : Straight Lines

**Unit – IV : Calculus**

Ch – 12 : Limits and Derivatives

**TERM II**

**Unit –II : Algebra**

Ch – 7 : Binomial Theorem

**Unit – III : Coordinate Geometry**

Ch – 10 : Conic Sections

Ch – 11 : Introduction to 3-Dimensional Geometry

**Unit – V : Statistics and Probability**

Ch – 13 : Statistics

Ch – 14 : Probability

**APPLIED MATHEMATICS (241)**  
**TERM I**

**Unit / Chapter**

**Unit 1- Numbers, Quantification and Numerical Analysis**

Ch 1. Numbers and Quantification

Ch 2. Numerical Application

**Unit 2- Algebra**

Ch 3. Sets

Ch 4. Relations

Ch 5. Sequences and Series

Ch 6. Permutations and Combinations

**Unit 3- Mathematical Reasoning**

Ch 7. Mathematical and Logical Reasoning (only Logical Reasoning)

**Unit 4- Calculus**

Ch 8. Calculus ( only Functions)

**Unit 8 – Coordinate Geometry**

Ch 12: Coordinate Geometry

**TERM II**

**Unit 4- Calculus(contd.)**

Ch 8. Calculus (only Limits and Derivatives )

**Unit 5 - Probability**

Ch 9: Probability

## **Unit 6- Descriptive Statistics**

Ch 10. Descriptive Statistics

## **Unit 7- Financial Mathematics**

Ch 11: Basics of Financial Mathematics

## **PHYSICS**

### **TERM I**

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 8 : Gravitation

Chapter 2 : Units and Measurements

### **TERM II**

Chapter 7 : System of Particles and Rotational Motion

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**

### **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 6 : Equilibrium

### **TERM II**

Unit 5 : Chemical Thermodynamics

Unit 7 : Redox Reactions

Unit 8 : Organic Chemistry : Some Basic Principles and Techniques

Unit 9 : Hydrocarbons

## **BIOLOGY**

### **TERM I**

#### **Unit I: Diversity of Living Organisms**

Chapter 1: The Living World

Chapter 2: Biological Classification

Chapter 3: Plant Kingdom

Chapter 4: Animal Kingdom

#### **Unit III: Cell: Structure and Function**

Chapter 8: Cell: The Unit of Life

Chapter 9: Biomolecules

Chapter 10: Cell Cycle and Cell division

#### **Unit IV: Plant Physiology**

Chapter 11: Photosynthesis in Higher Plants  
Chapter 12: Respiration in Plants  
Chapter 13: Plant Growth and Development

## **TERM II**

### **Unit II: Structural Organisation in Animals and Plants**

Chapter 5: Morphology of Flowering Plants  
Chapter 6: Anatomy of Flowering Plants  
Chapter 7: Structural Organisation in Animals

### **Unit V: Human Physiology**

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 Control and Integration

## **COMPUTER SCIENCE**

### **TERM I**

Chapter 1: Computer System Overview  
    1.1 Introduction  
    1.2 Computer Components and Basic Computer Organization  
    1.4 Types of Software  
Chapter 2: Data Representation  
Chapter 4: Introduction to Problem Solving  
Chapter 5: Getting Started With Python  
Chapter 6: Python Fundamentals  
Chapter 7: Data Handling  
Chapter 8: Flow of Control  
    Boolean Logic  
**(Disclaimer: Chapter No. not mentioned as book is under print)**

### **TERM II**

Chapter 9: String Manipulation  
Chapter 10: List Manipulation  
Chapter 11: Tuples  
Chapter 12: Dictionaries  
Chapter 13: Cyber Safety  
Chapter 14: Online Access and Computer Security  
Chapter 15: Society, Law and Ethics

## **ECONOMICS**

### **TERM I**

### **PART A: STATISTICS FOR ECONOMICS**

Unit-1 Introduction  
Unit-2 Collection, organisation and presentation of data

Unit-3 Statistical tools and interpretation

- Measures Of Central Tendency

## **PART B: INTRODUCTORY MICROECONOMICS**

Unit-4 Introduction

Unit-5 Consumer's equilibrium and Demand

### **TERM II**

## **PART A: STATISTICS FOR ECONOMICS**

Unit-3 Statistical tools and interpretation

- Correlation
- Introduction to Index Numbers

## **PART B: INTRODUCTORY MICROECONOMICS**

Unit-6 Producer Behaviour and Supply

Unit-7 Forms of Market and Price Determination under Perfect Competition with simple applications

## **ACCOUNTANCY**

### **TERM I**

Part A: Financial Accounting-I

### **Unit 1: Theoretical Framework**

Ch-1 Introduction to Accounting

Ch-2 Basic Accounting Terms

Ch-3 Theory base of Accounting, Accounting standards and Indian accounting standards

Ch-4 Bases of Accounting

Ch-5 Accounting Equation

Ch-6 Accounting Procedures

### **Unit 2: Accounting Process**

Ch-7 Origin of Transactions, Source documents and preparation of voucher

Ch-8 Journal

Ch-9 Ledger

Ch-10 Special Purpose Books I-Cash Book

Ch-11 Special Purpose Books II-Other Books

Ch-12 Accounting of Goods and Services Tax

Ch-13 Bank Reconciliation Statement

Ch-14 Trial Balance

### **TERM II**

Part A: Financial Accounting-I

### **Unit 2: Accounting Process**

Ch-15 Depreciation

Ch-16 Provisions and reserves

Ch-17 Rectification of Errors

Part B: Financial Accounting-II

### **Unit 3: Financial Statements of Sole Proprietorship**

Ch-18 Financial Statements of Sole Proprietorship

Ch-19 Adjustments in preparation of Financial Statements

Ch Single Entry System

Part C: Project Work

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## **BUSINESS STUDIES**

### **TERM I**

#### **Part A Foundations of Business**

Chapter 1 : Evolution and Fundamentals 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

### **TERM II**

Chapter 6 : Social Responsibility of Business and Business Ethics

#### **Part B : Finance and Trade**

Chapter 7 : Sources of Business Finance

Chapter 8 : Small Business

Chapter 9 : Internal Trade

Chapter 10 : International Business

## **INFORMATICS PRACTICES**

### **TERM I**

Chapter 1 Computer System

Chapter 2 Emerging Trends

Chapter 3 Brief Overview of Python

### **TERM II**

Chapter 4 Working with Lists and Dictionaries

Chapter 7 Database Concepts

Chapter 8 Introduction to Structured Query Language (SQL)

## **GEOGRAPHY**

### **TERM I**

#### **Fundamentals of Physical Geography**

Unit I-Geography As a Discipline

Chapter1 Geography As a Discipline

Unit - II The Earth

Chapter 2 The Origin and Evolution of the Earth

Chapter 3 Interior of the Earth

Chapter 4 Distribution of oceans and continents

Unit - III Landforms

Chapter 5 Geomorphic Processes

Chapter 6 Landform and their Evolution

Unit - IV Climate

Chapter 7 Composition and Structure of Atmosphere

Chapter 8 Solar Radiation, Heat balance and Temperature

Chapter 9 Atmospheric Circulations and Weather Systems

Chapter 10 Water in the Atmosphere

Chapter 11 World Climate and Climate Change (To be tested through internal assessments in the form of project and presentation)

### **India Physical Environment**

Unit - I Introduction

Chapter 1 India-Location

Unit - II Physiography

Chapter 2 Structure and Physiography

Chapter 3 Drainage System

Unit - IV Natural Hazards and Disasters: Causes Consequences and Management

Chapter 6 Natural Hazards and Disasters (To be tested through internal assessment in the form of Projects and presentation)

### **TERM II**

### **Fundamentals of Physical Geography**

Unit - V Water (Oceans)

Chapter 12 Water (Oceans)

Chapter 13 Movements of Ocean Water

Unit - VI Life on the Earth

Chapter 14 Biodiversity and Conservation (To be tested through internal assessments in the form of project and presentation)

### **India Physical Environment**

Unit - III Climate Vegetation and Soil

Chapter 4 Climate

Chapter 5 Natural Vegetation

### **PSYCHOLOGY**

#### **TERM I**

CHAPTER 1- What is psychology?

CHAPTER 2- Methods of Enquiry in psychology

CHAPTER 4- Human Development

CHAPTER 5- Sensory, Attentional and Perceptual Processes

#### **TERM II**

CHAPTER 6- Learning

CHAPTER 7- Human Memory

CHAPTER 8- Thinking

CHAPTER 9- Motivation and Emotions

### **POLITICAL SCIENCE**

#### **TERM – I**

#### **PART A- INDIAN CONSTITUTION AT WORK**

Chapter 1 Constitution: Why and How?

Chapter 2 Rights in the Indian Constitution

Chapter 3 Election and Representation

Chapter 4 Executive

Chapter 5 Legislature

## PART B-POLITICAL THEORY

- Chapter 1 Political Theory: An Introduction
- Chapter 2 Freedom
- Chapter 3 Equality
- Chapter 4 Social Justice

### **TERM - II**

## PART A- INDIAN CONSTITUTION AT WORK

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

## PART B-POLITICAL THEORY

- Chapter 5 Rights
- Chapter 6 Citizenship
- Chapter 7 Nationalism
- Chapter 8 Secularism

## **PHYSICAL EDUCATION TERM I**

- Unit 1: Changing Trends and Career in Physical Education
- Unit 2: Olympic Value Education
- Unit 3: Yoga
- Unit 4: Physical Education and Sports for CWSN
- Unit 5: Physical Fitness, Wellness and lifestyle

### **TERM II**

- Unit 6: Test, Measurement and Evaluation
- Unit 7: Fundamentals of Anatomy and Physiology in Sports
- Unit 8: Fundamentals of Kinesiology and Biomechanics in Sports
- Unit 9: Psychology and Sports
- Unit 10: Training and Doping in Sports

## **PAINTING TERM-I**

- Unit I Pre-Historic Rock-Paintings Introduction
- Unit 2 Buddhist, Jain and Hindu Art (3rd century B.C. to 8th century A.D.)

### **TERM-II**

- Unit 3 Temple Sculpture, Bronzes and Artistic aspects of Indo-Islamic Architecture
- Unit-4 Bronzes and Artistic aspects of Indo-Islamic architecture