

Class XI Curriculum

Session 2024-25

ENGLISH

BOOKS:

Hornbill (Course Book)

Snapshots (Supplementary Reader)

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APRIL: gY

Hornbill UI j

(1) The Portrait of a Lady (Prose)

(2) A Photograph (Poem)

MAY:

Hornbill

(1) We're not Afraid to Die if We're Together

Writing Task

- Poster

- Speech

Grammar –

-Gap Filling (Tenses, Clauses)

-Transformation of Sentences

JULY:

Hornbill

(1) Discovering Tut

Snapshots

(1) The Summer of the Beautiful White Horse (Prose)

AUGUST

Snapshots

(1)The Address (Prose)

Writing task

(1) Note- Making & Summarizing

SEPTEMBER: Revision for Mid Term

Hornbill

(1) The Laburnum Top (Poem)

OCTOBER:

Hornbill

(1) The Adventure

(2) Father to Son (Poem)

Snapshots

(1) Birth (Prose)

Writing task

-Debate

-Note- Making & Summarizing

Grammar

-Gap Filling (Tenses, Clauses)

NOVEMBER:**Hornbill**

(1) Silk Road

DECEMBER:**Hornbill**

(1) Childhood (Poem)

Snapshots

(1) Mother's Day (Play)

Writing task

-Classified Advertisement

Grammar

-Reordering Sentences

JANUARY:**Hornbill**

(1) Voice of the Rain (Poem)

Snapshots

(1) The Tale of the Melon City

FEBRUARY:

Revision

PHYSICS**April:**

Units and Measurements

Motion in a Straight Line

Motion in Plane

May:

Motion in Plane(contd)

July:

Laws of Motion

Work, Energy and Power

August:

Rotational Motion

Gravitation

September: Revision

October:

Gravitation(contd)

Mechanics of Solids

November:

Mechanics of Fluids

Thermal Properties of Matter

December:

Thermodynamics & Kinetic Theory of Gases

Oscillations

Waves

January :

Waves(contd)

Revision

February: Revision

CHEMISTRY

April:

Some Basic Concepts of Chemistry

Structure of Atom

May:

Structure of Atom(contd.)

Classification of Elements and Periodicity in Properties

July:

Chemical Bonding and Molecular

Hydrocarbon

August:

Hydrocarbon(contd.)

September :

Chemical Thermodynamics

October:

Redox Reaction

November :

Organic Chemistry

December:

Equilibrium

January:

Equilibrium(contd.)

Revision

February :

Revision

BIOLOGY**April**

The Living World

Biological Classification

May

Plant Kingdom

Animal Kingdom

July

Morphology of Flowering Plants

Anatomy of Flowering Plants

Structural Organisation in Animals

August

Cell: The Unit of Life

Cell Cycle and Cell Division

Biomolecules

September

Biomolecules (continued)

October

Photosynthesis in Higher Plants

Respiration in Plants

November

Plant Growth and Development

Breathing and Exchange of Gases

Body Fluids and Circulation

December

Excretory Products and their Elimination

Locomotion and Movement

Neural Control and Coordination

January

Chemical Coordination and Integration

Revision

BIOTECHNOLOGY

April:

Biotechnology: An Overview

Biomolecules: Building Blocks

May:

Biomolecules: Building Blocks(continued)

July:

Macromolecules: Structure & Function

August:

The Basic Unit of Life

September:

Cell Growth and Development

October:

Cell Growth and Development (continued)

November:

Concepts of Genetics

December:

Genes and Genomes: Structure and Function

January:

Genes and Genomes: Structure and Function (continued)

Revision

COMPUTER SCIENCE

April and May:

Computer System and Organization – Architecture, Types of Software

Boolean Logic, Number System

Computational Thinking and Programming – Flow charts and Algorithm,

Introduction to Python

July:

Data Types, Comments, Operators and types, Errors, Conditional Statements

August:

Conditional Statements contd. – if, if..else, if..elif, Iteration Statements – while and for

September:

Strings Traversal Operations

October:

Lists – Definition, traversal and methods

November:

Tuples and Dictionaries

December:

Introduction to Python Modules – math, random and statistics

January:

Society Law and Ethics – Cyber Safety, Appropriate use of Social Networking Sites, IPR, Privacy Laws, Technology and society

INFORMATIC PRACTICES

April :

Introduction to Computer System – Architecture, Types of Software
Memory and Evolution of software devices

May

Introduction Python – Basics, Modes, Variables, data types, input and
Debugging, conditional Statement

July:

Iterative Statements – For and while

August and September:

Lists – Definition, traversal and methods

October:

Dictionaries – Definition, traversal and Methods

November:

Database Concepts and Structured Query Language – RDBMS and basic
Concepts

December:

Introduction to MYSQL - DDL and DML Commands

January:

Introduction to Emerging Trends

MATHEMATICS

April/May

1. Sets
2. Relations & Functions
3. Linear Inequalities
4. Trigonometric Functions

July

4. Trigonometric Functions TO BE CONTINUED
5. Complex Numbers and Quadratic Equations.
6. Limits and Derivatives

August

6. Limits and Derivatives to be continued
 7. Permutations and Combination
- Revision and first terminal examination

September:

Revision and First Terminal examination

October:

8. Sequence and Series
9. Binomial Theorem
10. Straight Lines

November:

10. Straight Lines to be continued
11. Conic Sections
12. Introduction to Three-dimensional Geometry

December:

13. Statistics
14. Probability

January:

Revision for term end examination

ACCOUNTANCY

April–May :

Part A: Financial Accounting-1

Theoretical Framework
Introduction to Accounting
Basic Accounting Terms
Accounting Process

Recording of Business Transactions:

Voucher and Transactions Source documents,

Accounting Equation Approach:

Meaning and Analysis, Rules of Debit and Credit.

July - August :

Goods and Services Tax (GST):

Characteristics and Objective

Recording of Transactions: Books of Original Entry

Journal and Posting to Ledger: Format, Posting from journal Balancing of

accounts and preparation of Trial Balance

Simple GST calculation:

Special Purpose books: Cash Book: Simple Cash Book with bank column
and petty cashbook;

Purchases Book, Sales Book, Purchases Return Book, Sales Return Book
and Journal Proper, Posting from Subsidiary Books.

Theory Base of

Accounting, Accounting Standards

System of Accounting. Basis of Accounting

September:

REVISION

MID TERM EXAMINATION

October:

Bank Reconciliation Statement: Need and preparation

Depreciation, Provisions and Reserves

November:

Trial balance and Rectification of Errors. Financial Statements of Sole Proprietorship:

December:

Part B: Financial Accounting-II

Financial Statements of Sole Proprietorship:

Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship
without adjustments

Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship
with adjustments.

Single Entry System of Accounting

PROJECT WORK

January:

REVISION

BUSINESS STUDIES

April - May :

Part A Foundations of Business

Unit 1 : Evolution and Fundamentals of Business

Unit 2 : Forms of Business Organisations and Formation of Company

July - August :

Unit 3 : Public, Private and Global Enterprises

Unit 4 : Business Services

Unit 5 : Emerging Modes of Business. Unit Unit 6 : Social Responsibility of Business and Business Ethics

September:

REVISION

MID TERM EXAMINATION

October:

Part B Finance and Trade

Unit 7 : Sources of Business Finance.

Unit 8 : Small Business and Entrepreneurship Development

November :

Unit 9 : Internal Trade.

December :

Unit 10 : International Business

PROJECT WORK

January:

REVISION

ECONOMICS

April:

Introduction-Micro Consumer's Equilibrium and demand

i- Consumer's equilibrium

ii- Demand

iii- Elasticity of demand

May:

Introduction-Statistics

i- What is Economics

ii- Meaning and scope

Collection and Organisation of data

i- collection of data

ii- Organisation of data

July:

Presentation of data

v- Tabular presentation

vi- Diagrammatic presentation

v- Graphic presentation

August:

Statistical tools and interpretation

i- Measures of central tendency - Mean

September:

Producer's Behaviour and supply

iii- Cost

October:

iv- Revenue

v - Producer's Equilibrium

November:

Production function

Forms of market and price determination

i- Features of different markets

Statistical tools and interpretation

ii- Positional Averages and Partition Values

December:

Forms of market and price determination (continued)

i- Features of different markets

i- Market equilibrium under Perfect market

Measures of Correlation

January:

Introduction to Index Numbers

Preparation of a Project Report

PSYCHOLOGY

April - May:

1. What is Psychology?
2. Methods of Enquiry in Psychology (to be contd.)

July :

2. Methods of Enquiry in Psychology
3. Human Development

August:

4. Sensory, Attentional and Perceptual Processes(to be contd.)

September:

Revision & Mid Term Exam

OCTOBER :

Sensory, Attentional and Perceptual Processes

November:

5. Learning

December:

6. Human Memory
7. Thinking

January:

8. Motivation and Emotion

February:

Revision

LEGAL STUDIES

April, May

Unit 1 Introduction to Political Institutions

Chapter 1: Concept of State

Chapter 2: Forms and Organs of Government

Chapter 3: Separation of Powers

July

Unit 2 Basic features of the Constitution of India

Chapter 1: Salient Features of the Constitution of India

Chapter 2: Administrative law

August

Unit 3 Jurisprudence, Nature and Sources of Law

Chapter 1: Jurisprudence, Nature and Meaning of Law

Chapter 2: Classification of Laws

Chapter 3: Sources of Laws

Chapter4: Law Reform

Chapter 5 : Cyber Laws, Safety and Security in India

September

Revision

October

Unit 3: Historical Evolution of Indian Legal System

November

Unit 4: Judiciary : Constitutional, Civil And Criminal Courts And Processes

December

Unit 5: Family Justice System

Jan-Feb

(cont.) Family Justice System

Case Study & Revision

POLITICAL SCIENCE

PART-A: Indian Constitution at Work

April

Chapter-1 Constitution

Chapter-2 Rights in the Indian constitution

Chapter-9 Constitution- A Living Document

May

Chapter-3 Election and Representation

Chapter-10 Philosophy of Indian constitution

July

Chapter-4 The Executive

Chapter-5 The Legislature

Chapter-6 The Judiciary

August

Chapter-7 Federalism

Chapter -Local Government

September

Revision

PART-B: Political Theory

October:

Chapter-1 Political Theory: An Introduction

Chapter-2 Liberty

Chapter-3 Equality

November:

Chapter-4 Justice

Chapter-5 Rights

Chapter-6 Citizenship

December

Chapter-7 Nationalism

Chapter-8 Secularism

January

Revision

HISTORY

April

Theme 1-Writing and City Life

May

Theme 2-An Empire Across Three Continents

July

Theme 3-Nomadic Empires

August

Theme 4-The Three Orders

October

Theme 5-Changing Cultural Traditions

November

Theme 6-Displacing Indigenous Peoples

December

Theme 7-Paths to Modernisation

January-February - Revision

HINDUSTANI MUSIC MELODIC INSTRUMENTS- (30% Theory, 70% Practical)

April & May:

Theory: (Unit – 1.1, 4.1, 4.2) Brief study of the following: Nada, Shruti, Swara, Saptak, Thaata, jati, Laya, Tala. Knowledge of the Structure of the Instrument opted for.

Practical: Alankars with fingering and strokes. Description of prescribed Talas along with Tala Notation- in Thah, Dugunand Chaugun Prescribed Talas- Teental.

July: Theory: Brief study of the following: Margi- Desi, Nibaddha- Anibaddha Gan, Raga, Gat.

Practical: Description of prescribed Talas along with Tala Notation- in Thah, Dugunand Chaugun Ektaal. Introduction of Raga – Bihag and Razakhani Gat .

August:

Theory: Dhrupad , Maseetkhani and Razakhani Gat.

Practical: Description of prescribed Talas along with Tala Notation- in Thah, Dugunand Chaugun Prescribed Tala – Chautaal. Introduction of Raga Bhimpalasi and Razakhani Gat.

September: Revision and Mid- term

October:

Theory: Brief study of Musical Elements of NatyaShastra.

Practical: Description of prescribed Talas along with Tala Notation- in Thah, Dugunand Chaugun Prescribed Talas- Teentaal, Ektaal & Chautala.

Introduction of Raga Bhairavi and Razakhani Gat.

November:

Theory: Life sketch and Contribution of Tansen, V.N. Bhatkhande and V.DPaluskar.

Practical: Raga- Bihag, Bhimpalasi, Bhairavi- Taan and Jhala.

December:

Theory: Critical study of prescribed Ragas along with Recognizing Ragas from phrases of Swaras and elaborating them. Writing in Notation the Compositions of prescribed Ragas

Practical: Raga- Bihag , Bhairavi & Bhimpalasi Taan and Jhala.

January: Theory: Elaboration and Revision of all the Ragas and Taals.

February: Evaluation.

PHYSICAL EDUCATION

April: Unit 1 - Changing Trends and Career in Physical Education
Practical - Physical Fitness Components

May: Unit 2- Olympic Values
Practical: Game (Badminton)

July: Unit 3 –Yoga
Unit 4 - Physical Education for CWSN
Practical - Yoga Asanas

August: Unit 5- Physical Fitness Health and, Wellness
Unit 6 - Test and Measurement
Practical: SAI Physical Fitness Tests

Sep.: Unit 6 - Test and Measurement
Revision

Oct.: Unit 7- Fundamentals of Anatomy, Physiology in sports
Practical - Record File - Physical Fitness evaluation

Nov.: Unit 8 - Fundamentals of Kinesiology and biomechanics in Sports
Unit 9 - Psychology and sports
Practical – Fitness Activities

Dec.: Unit 10 - Training and doping in sports
Practical - Physical Fitness - Games Skills

Jan. & Feb.: Revision
Practical Exam

PAINTING

April/May:

INDUS VALLEY STUDY OF UNICORN BULL AND PAINTED EARTHENWARE
SCULPTURE

1. LION CAPITAL
2. CHAURI BEARER {YAKSHINI}
3. BODHISATTVA HEAD {KUSHAN PERIOD}
4. SEATED BUDDHA {MATHURA}

July:

SCULPTURES

1. SEATED BUDDHA {SARNATH}
2. JAIN TIRTHANKARA{SARNATH}
3. AJANTA CAVES

August:

SCULPTURES

1. PADMAPANI BODHISATTVA
2. A ROARING ANIMAL
3. WIZARD DANCE

September:

REVISION OF SIX LIMBS OF INDIAN PAINTING AND SCULPTURES

October:

SCULPTURES

1. DESCENT OF GANGA
2. RAMNA SHAKING KAILASHI
3. TRIMURTI LAXMII NARAYAN

November:

SCULPTURES

1. MOTHER AND CHILD
2. CYMBAL PLAYER
3. NATRAJ

December:

INDO-ISLAMIC ARCHITECTURE

1. QUTUB MINAR
2. TAJ MAHAL
3. GOL GUMBAZ

January:

REVISION ABOUT

1. RAMNA SHAKING KAILASHI
2. CYMBAL PLAYER
3. INDO ISLAMIC ARCHITECTURE

February:

REVISION ABOUT

1. CONCEPT OF INDUS VALLEY
2. INDO-ISLAMIC ARCHITECTURE
3. QUTUB MINAR, TAJ MAHAL, GOL GUMBAZ

YOGA**July:**

Unit 1 – Introduction to Yoga and Yogic Practices - I (Subject Specific Skills)

Practical

Unit 1 - Communication Skills – III (Employability Skills)

August:

Unit 2 – Introduction to Yoga Texts - I (Subject Specific Skills),
Practical

Unit2- Self Management Skills-III (Employability Skills)

Sep:

Revision

Oct:

Unit 3 – Yoga for Health Promotion – I (Subject Specific Skills)
Practical

Unit 3 - Information and Communication Technology Skills – III

Nov:

Practical

Unit 3 - Information and Communication Technology Skills – III

Unit 4 - Entrepreneurial Skills- III

Dec:

Practical

Unit 5 - Green Skills – III

Jan & Feb:

Revision and Practical

APPLIED MATHEMATICS

April

*SETS

*RELATIONS

May

*SEQUENCES AND SERIES

July

*NUMBERS AND QUANTIFICATION

*NUMERICAL APPLICATION

August

* DESCRIPTIVE STATISTICS

*MATHEMATICAL REASONING

September

*REVISION

October

* PERMUTATIONS AND COMBINATIONS

November

*CALCULUS

*PROBABILITY

December

*BASICS OF FINANCIAL MATHEMATICS

January

*COORDINATE GEOMETRY

*REVISION

WORK EXPERIENCE

April:

Intro to Digital Graphic Designing

May:

Digital Infographic Designing (Continued)

July:

Graphics & Layout Techniques

August:

Logo Designing & Typography

September:

Project Work

October:

Vector Designing using Presentations

November:

Presentations and Motion Graphics

December:

Professional Office - Word Processor

January:

Professional Office – Word Processor Contd.

February:

Project Work