

SYLLABUS (Month- Wise)

CLASS XI

ENGLISH

BOOKS:

- 1) Hornbill (Course Book)
- 2) Snapshots (Supplementary Reader)

APRIL:

Hornbill

(1) The Portrait of a Lady

(2) A Photograph (Poem)

Writing Task

- Formal/ Business Letters- Complaint, Registering complaints, asking for and giving information

- Placing Orders and sending replies, Making enquiries

Grammar –

(1) Determiners

- Dialogue Completion
- Transformation of Sentences

MAY :

Hornbill

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

Snapshots

(1) The Summer of the Beautiful White Horse

Writing

(1) Notice/ Poster

JULY:

Hornbill

(1) Discovering Tut

(2) Voice of the Rain (Poem)

Snapshots

(1) The Address

Writing task

(1) Factual Description

(2) Note- Making & Summarizing

Grammar

AUGUST:

(1) Subject- Verb Agreement

(2) Tenses

Snapshots

(1) Ranga's marriage

Hornbill

(1) Albert Einstein at School

(2) Laburnum Top (Poem)

Writing task

(1) Debate

(2) Speech

(3) Note- Making & Summarizing

Grammar

(1) Articles

(2) Determiners

(3) Tenses

SEPTEMBER:

Hornbill

(1) The Ailing Planet

Revision & First Term Exams

OCTOBER:

Hornbill

1) The Browning Version (Drama)

2) Landscape of the Soul

Writing task

1) Notice

Grammar

1) Reordering Sentences

NOVEMBER:

Snapshots

1) Mother's Day (Drama)

Writing task

(1) Note Making (Practice)

DECEMBER:

Hornbill

(1) Childhood (Poem)

(2) Silk Road

Snapshots

(1) Birth

MATHEMATICS

April/May:	Sets Relations and functions linear inequalities Introduced Trigonometric functions
JULY :	Trigonometric functions to continue Complex number and quadratic equations. Limits and derivatives
August /September:	Limits and derivatives(continued) Sequence and series Revision &Mid Terminal Examination
October:	Permutations and combinations Straight lines
November :	Conic sections Three-dimensional geometry Statistics
December:	Probability Revision & post Terminal examination

Chemistry

April	:	Some Basic Concepts of Chemistry
	:	Structure of Atom
May	:	Classification of Elements and Periodicity in Properties
	:	Chemical Bonding and Molecular
July	:	States of Matter: Gases and Liquids
	:	Chemical Thermodynamics
August :		Continued
	:	Equilibrium
September	:	Continued
	:	Redox Reactions
October	:	Hydrogen

	:	s -Block Elements
November	:	Some p -Block Elements
December	:	Organic Chemistry: Some basic Principles & Techniques
January	:	Hydrocarbons
February	:	Revision

PHYSICS

CHAPTER

April:	Physical world & units & measurements
April- May:	Motion in a straight line
May-July:	Motion in plane
July:	Laws of motion
August:	Work, energy & power
August:	Gravitation
September-October:	Rotational motion
October:	Mechanics of solids
November:	Mechanics of fluids
November:	Thermal properties of matter
December:	Thermodynamics & kinetic theory of gases
December:	Oscillations & waves

BIOLOGY

April:	Chapter-1: The Living World
	Chapter-2: Biological Classification
May:	Chapter-3: Plant Kingdom
	Chapter-4: Animal Kingdom
July:	Chapter-5: Morphology of Flowering Plants
	Chapter-7: Structural Organisation in Animals
August:	Chapter-8: Cell-The Unit of Life
	Chapter-10: Cell Cycle and Cell Division
	Chapter-9: Biomolecules
September:	Chapter-9: Biomolecules (continued)
October:	Chapter-13: Photosynthesis in Higher Plants
	Chapter-14: Respiration in Plants
	Chapter-15: Plant - Growth and Development

November:	Chapter-17: Breathing and Exchange of Gases Chapter-18: Body Fluids and Circulation Chapter-19: Excretory Products and their Elimination
December:	Chapter-20: Locomotion and Movement Chapter-21: Neural Control and Coordination Chapter-22: Chemical Coordination and Integration

COMPUTER SCIENCE

April :	Computer System and Organization – Architecture, Types of Software Boolean Logic, Number System
May:	Society Law and Ethics – Cyber Safety, Appropriate use of Social Networking Sites, IPR, Privacy Laws, Technology and society
July:	Computational Thinking and Programming – Flow charts and Algorithm, Introduction to Python
August:	Datatypes, Comments, Operators and types, Errors, conditional Statements
September:	Conditional Statements contd. – if, if..else, if..elif, Iteration Statements – while and for
October:	Strings Traversal Operations, Lists – Definition, traversal and methods
November:	Tuples and Dictionaries
December:	Introduction to Python Modules – math, random and statistics

INFORMATIC PRACTICES

April :	Introduction to Computer System – Architecture, Types of Software Memory and Evolution of software devices
May:	Introduction to Emerging Trends
July:	Introduction to Python – Basics, Modes, Variables, data types, input and Debugging, conditional Statement
August:	Iterative Statements – For and while
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 Statements

ACCOUNTANCY

April:

Part A: Financial Accounting-1

Theoretical Framework
Introduction to Accounting
Basic Accounting Terms
Goods and Services Tax (GST):
Characteristics and Objective
Accounting Process
Recording of Business Transactions:
Voucher and Transactions Source documents,
Accounting Equation Approach:
Meaning and Analysis,

May:

Rules of Debit and Credit.
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.***

July :

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.
Bank Reconciliation Statement:
Need and preparation

August:

Accounting for Bills of Exchange
Depreciation, Provisions and Reserves

September :

Trial balance and Rectification of Errors
Theory Base of Accounting, Accounting Standards
System of Accounting. Basis of Accounting

October:

Part B: Financial Accounting-II

Financial Statements of Sole Proprietorship from complete and Incomplete Records Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments Ascertainment of Profit/Loss by Statement of Affairs method.

November:

Computers in Accounting

December:

PROJECT WORK

January :

REVISION

ECONOMICS

April.:

Introduction-Micro
Consumer's Equilibrium and demand
i-Consumer's equilibrium
ii-Demand
iii-Elasticity of demand

May:	Producer's behaviour and supply i-Supply Introduction-Statistics i-What is Economics ii-Meaning and scope Collection and organisation of data i-collection of data
July:	Producer's behaviour and supply ii-Cost iii-Revenue Collection and organisation of data ii-Organisation of data
August:	Production function Collection and organisation of data iii-Tabular presentation iv-Diagrammatic presentation
September:	Collection and organisation of data v-Graphic presentation Statistical tools and interpretation i-Measures of central tendency
October:	Forms of market and price determination i-Perfect market Statistical tools and interpretation ii-Positional Averages and Partition Values
November:	Measures of dispersion i-Standard deviation Forms of market and price determination II-Price determination
December:	Measures of Correlation Introduction to Index Numbers
January:	Preparation of a Project Report

BUSINESS STUDIES

Part A- Foundations of Business

April :	Evolution and Fundamentals of Business Forms of Business Organisations and Formation of Company
May :	Public, Private and Global Enterprises Business Services Emerging Modes of Business
July :	Social Responsibility of Business and Business Ethics

Part B -Finance and Trade

August:	Sources of Business Finance
September:	Small Business and Entrepreneurship Development
October:	Internal Trade
November:	International Business

December: PROJECT WORK

January: REVISION

LEGAL STUDIES

April: Unit 1: Theory and Nature of Political Institutions

- Organs of Government - Legislative, Executive and Judiciary
- Separation of Powers – Parliamentary Sovereignty and Judicial Independence
- Constitutional Framework of India

May: Unit 2: Nature and Sources of Law

- Legislation – process, delegated and subordinate legislation
- Case Law – Stare decisis, precedents within the hierarchy of courts
- Authoritative Sources
- Custom

July: Sources of law and Law Reform

August : Unit 3: Historical Evolution of Indian Legal System

- Ancient Indian Law
- Ancient Indian Law in Modern Legal Framework

September: Revision

October : Drafting of the Indian Constitution

November: Unit 4: Civil and Criminal Courts and Process

December: Unit 5: Family Justice System

Jan-Feb : (cont.)Family justice system
Case study & Revision

PSYCHOLOGY

April : What is Psychology?

May : Methods of Psychology

July : Bases of Human Behaviour

Human Development (to be continued)

August : Human Development

September : Revision and Mid Term Exam

October :	Sensory, Attentional and Perceptual Processes
November :	Learning
December :	Memory
Jan-Feb. :	Revision and Final Exam

HEALTH AND PHYSICAL EDUCATION

April :	Changing Trends and Career in Physical Education Practical - Physical Fitness - Athletics –Sprints
May :	Olympic movement, (Value Education). Practical - Physical Fitness - Skipping - Yoga and game skills
July :	Physical Fitness wellness and lifestyle, Physical Education for CWSN Practical -Yogic Exercises
August :	Physical Activity and Leadership Training Practical - Skill of selected games (Video Demonstrations)
September :	Revision
October :	Test and Measurement Practical - Record File - Physical Fitness evaluation
November:	Fundamentals of Anatomy and Physiology and Kinesiology in sports. Psychology and sports Practical – Fitness Activities
December:	Training and doping in sports Practical - Physical Fitness - Games Skills
Jan. & Feb:	Practical - exam Revision

HINDUSTANI MUSIC MELODIC INSTRUMENTS

THEORY: UNIT-1

April:	1.1 Brief study of the following Nada, Shruti, Swara, Saptak ,Thaat, jati, Laya, Tala
May:	1.2 Brief study of the following Margi- Desi, Raga, Gat UNIT-2-2.1 Brief History of the following Dhamar,Dhrupad, Mastikhani and Razakhni Gat

July :	UNIT-3 3.1 Brief study of Musical Elements in Natya Shastra
August:	3.2 Life sketch and Contribution of Tansen, V.N. Bhalkhande and V.D Paluskar
August and September:	UNIT-4 4.1 Knowledge of the Structure of the Instrument opted for
July, August, October, November and December:	UNIT- 5 5.1 Critical study of Prescribed Ragas along with Recognizing Ragas from phrases of Swaras and elaborating them.

August, October, November, December and January:

5.2 Notations of Razakhani Gats and MaseetKhani Gats in all prescribed ragas in detail.

PRACTICAL:

April :	1.Parts and tuning of Instrument and questions regarding Instrument.
May and July:	2. Alap,J or,jhala with me end in any one choice Raga from the prescribed Ragas: BIHAG–
August and September: October and November :	BHIMPALASI – BHARAVI-
November and December	3. Choice Raga-MasitKhani Gat and Razakhani Gat-
August to December :	5. Identification exercise of Ragas from various swar patterns--.
July and August:	6. Recitation and Notation of the Thekas of Prescribed Talas with hand beats in Thah, digun and Chaugun; Teental-
September and October: November and December:	Chautala- Ektala-
September and January:	7. Practical file-

Painting

April :	Unit 1 Pre historic rock painting introduction • Period and location • Harappa and Mohenjo-Daro
May :	Sculpture and terracotta • Dancing girl • Male tarso • Mother goddess

	<ul style="list-style-type: none"> • Bull (mohenjo-daro)
July :	Buddhist Jain and hindu art (3rd century BC to 8th century ad) <ul style="list-style-type: none"> • Lion capital • Chauri bearer • Seated buddha • Jain tirthankara • Introduction to ajanta location
August :	Temple sculptures, bronze and artistic aspects of indo islamic architecture <ul style="list-style-type: none"> • Descent of Ganga • Trimurti • Lakshmi Narayan • Cymbal player • Mother and child
September :	Bronze <ul style="list-style-type: none"> • Introduction to Indian bronze • Method of natraj (chola period)
October :	Artistic aspects of the indo islamic architecture <ul style="list-style-type: none"> • Introduction • Qutub minar delhi • Gol gumbad of Bijapur
November, December:	Revision

Work Experience

April :	Vector Designing Techniques
May :	Vector Designing using Power point
July :	Vector Designing & Animation
August:	Inkscape
September:	Revision & Assessment
October:	Inkscape Contd.
November:	Digital Info graphic Designing
December:	Professional Office – Word Processor
January:	Professional Office – Word Processor Contd.
February:	Project Work

