

CHINMAYA VIDYALAYA
CLASS - XI
BREAK UP (20-21)

ENGLISH SYLLABUS

BOOKS – Hornbill (English Textbook), Snapshots (Supplementary Reader)

TERM-I

Month	Chapters.
April	HORNBILL - Prose-The Portrait of a Lady Poetry - A Photograph, The Voice of The Rain
May	HORNBILL - Prose - Discovering King Tut: The Saga Continues Poetry – Childhood SNAPSHOTS – The Summer of the Beautiful White Horse , The Address Writing – Note- making
July	HORNBILL - Prose - We are not Afraid to Die SNAPSHOTS – Ranga’s Marriage Writing – Business Letters- Enquiry/ Letter seeking information, Letter Placing Order, Complaint Letter (Business)
August	HORNBILL - Prose - The Ailing Planet : the Green Movement’s Role SNAPSHOTS - Albert Einstein At School

	Writing – Notice, Poster making, Debate
September	Revision and Half Yearly Examination

TERM – I I

Month	Chapters.
October	HORNBILL - Prose- Landscape of the Soul Poetry – The Laburnum Top Writing –Letter to school or college authority, Speech writing
November	HORNBILL – Prose- Silk Road SNAPSHOTS – Play-Mother’s Day Writing- Advertisement
December	HORNBILL – Play - The Browning Version Prose-Birth
January	Revision, ASL
February	Revision

MATHEMATICS(041)

S.NO.	MONTH	CHAPTERS
1	MAY	<ul style="list-style-type: none"> • SEQUENCE AND SERIES
2	JULY	<ul style="list-style-type: none"> • SEQUENCE AND SERIES (CONTINUED) • LINEAR INEQUALITIES • TRIGONOMETRIC FUNCTIONS
3	AUGUST	<ul style="list-style-type: none"> • TRIGONOMETRIC FUNCTIONS(CONTINUED) • COMPLEX NUMBERS AND QUADRATIC EQUATIONS

4	SEPTEMBER	<ul style="list-style-type: none"> • PERMUTATIONS AND COMBINATIONS
5	OCTOBER	<ul style="list-style-type: none"> • SETS • RELATIONS & FUNCTIONS
6	NOVEMBER	<ul style="list-style-type: none"> • LIMITS AND DERIVATIVES • STATISTICS
7	DECEMBER	<ul style="list-style-type: none"> • PROBABILITY • STRAIGHT LINES
8	JANUARY	<ul style="list-style-type: none"> • CONIC SECTIONS
9	FEBRUARY	<ul style="list-style-type: none"> • INTRODUCTION TO THREE-DIMENSIONAL GEOMETRY

APPLIED MATHEMATICS(241)

S.NO.	MONTH	CHAPTERS
1	JULY	<ul style="list-style-type: none"> • SEQUENCE & SERIES • NUMBERS, QUANTIFICATION AND NUMERICAL APPLICATIONS
2	AUGUST	<ul style="list-style-type: none"> • DESCRIPTIVE STATISTICS
3	SEPTEMBER	<ul style="list-style-type: none"> • PERMUTATIONS AND COMBINATIONS
4	OCTOBER	<ul style="list-style-type: none"> • SETS • RELATIONS & FUNCTIONS
5	NOVEMBER	<ul style="list-style-type: none"> • LIMITS AND DERIVATIVES • STATISTICS
6	DECEMBER	<ul style="list-style-type: none"> • PROBABILITY • STRAIGHT LINES • BASICS OF FINANCIAL MATHEMATICS
7	JANUARY	<ul style="list-style-type: none"> • CIRCLES
8	FEBRUARY	<ul style="list-style-type: none"> • MATHEMATICAL AND LOGICAL REASONING

PSYCHOLOGY

May : Chapter 1 - What is Psychology?

July : Chapter 2 - Methods of Enquiry in Psychology

Introduction to Experimental Psychology (Practical file)

August : Chapter 3 - The Bases of Human Behaviour

September : Chapter 4 - Human Development

October : Chapter 5 - Sensory, Attentional and Perceptual Processes

November : Chapter 6 - Learning

December : Chapter 7 - Human Memory

January : Practical No. 1 - Experiment on Human Memory

CHEMISTRY

BREAK UP (2020-21)

MONTH	UNIT	UNIT
APRIL	Unit-1 Some Basic concepts of Chemistry	
MAY	Unit-2 Structure of Atom	
JULY	Unit-3 Classification of elements and periodicity in Properties	UNIT-4 Chemical Bonding and Molecular Structure
AUGUST	Unit-4 Chemical Bonding and Molecular Structure (continued)	Unit-5 States of Matter :Gases and Liquids
SEPTEMBER	Unit-12 Some Basic Principles and Techniques	Unit- 13 Hydrocarbons
OCTOBER	Unit-13 Hydrocarbons (continued)	Unit- 8 Redox Reactions
NOVEMBER	Unit-9 Hydrogen	Unit- 10 s- block Elements
DECEMBER	Unit-11 Some p- block Elements	Unit- 6 Chemical Thermodynamics
JANUARY	Unit-7A Equilibrium-1	Unit-7B Equilibrium -11
FEBRUARY	REVISION	

BUSINESS STUDIES

<u>MONTHS</u>	<u>CHAPTERS</u>
MAY—AUGUST : BUSINESS. BUSINESS ORGANIZATIONS.	UNIT-1: *NATURE & PURPOSE OF UNIT-2: *FORMS OF
SEP.---OCTOBER : ENTERPRISES. SERVICES. *EMERGING MODES OF BUSINESS.	UNIT-3: *PRIVATE, PUBLIC & GLOBAL UNIT-4: *BUSINESS UNIT-5:

<u>MONTHS</u>	<u>CHAPTERS</u>
NOVEMBER : BUSINESS. *FORMATION OF A COMPANY.	UNIT-6: *SOCIAL RESPONSIBILITY OF UNIT-7:
DECEMBER : FINANCE. *SMALL BUSINESS & ENTREPRENEURSHIP. *PROJECT WORK*	UNIT-8: *SOURCES OF BUSINESS UNIT-9 :
JAN.-- FEB. (2021) :	UNIT-10: * INTERNAL TRADE & UNIT-11: *INTERNATIONAL BUSINESS.

PHYSICAL EDUCATION

➤ July

UNIT-II- Olympic Value Education

➤ August

UNIT-III- Physical Fitness, Wellness & Lifestyle

UNIT-IV- Physical Education & Sports for CWSN (Children With Special Needs- Divyang)

➤ September

UNIT-V- Yoga

UNIT-VI- Physical Activity & Leadership Training

➤ October

UNIT-VII- Test, Measurement & Evaluation

UNIT-VIII- Fundamentals of Anatomy, Physiology & Kinesiology in Sports

➤ November

UNIT-IX- Psychology & Sports

➤ December

UNIT-X- Training and Doping in Sports

➤ January

Revision and Practical

PHYSICS

SYLLABUS BREAKUP	
CLASS XI	
MONTHS	UNITS
APRIL	UNITS AND DIMENSIONS
MAY	KINEMATICS
JULY	KINEMATICS + LAWS OF MOTION
AUGUST	WORK , ENERGY + ROTATIONAL
OCTOBER	ROTATIONAL+ GRAVITATION
NOVEMBER	BULK PROPERTIES OF MATTER
DECEMBER	THERMODYNAMICS
JANUARY	OSCILLATIONS AND WAVES

SUBJECT: VALUE EDUCATION

BOOK: BHAGVAD GITA

MONTH	SYLLABUS
April-May	L-1 Arjuna Vishada Yoga L- 2 Sankhya Yoga
July	L- 3 Karma Yoga
August	L- 4 Jnana Karma Sanyasa Yoga
September	L-5 Karma Sanyasa Yoga
October - November	L- 6 Dhyana Yoga L-7 Jnana Vignana Yoga
December	L-8 Akshara Brahma Yoga
January	L-9 Rajavidya Rajaguhya Yoga
February	Revision

POLITICAL SCIENCE

MONTH	TOPIC
	(BOOK 1)INDIAN CONSTITUTION AT WORK
APRIL -MAY	CHAPTER 1 CONSTITUTION (THE PHILOSOPHY AND MAKING OF THE CONSTITUTION)
JULY	CHAPTER 1 CONSTITUTION (FUNDAMENTAL RIGHTS AND DIRECTIVE PRINCIPLES, CONSTITUTIONAL AMENDMENTS) CHAPTER 3 ELECTION AND REPRESENTATION
AUGUST	CHAPTER 4 LEGISLATURE CHAPTER 5 EXECUTIVE
SEPTEMBER	CHAPTER 6 JUDICIARY CHAPTER 8 LOCAL GOVERNMENT

OCTOBER	(2 ND BOOK) POLITICAL THEORY CHAPTER 1 POLITICAL THEORY : AN INTRODUCTION CHAPTER 2 LIBERTY
NOVEMBER	CHAPTER 3 EQUALITY CHAPTER 4 JUSTICE
DECEMBER	CHAPTER 5 RIGHTS
JANUARY	CHAPTER 10 DEVELOPMENT
FEBRUARY	REVISION

SUBJECT - BIOLOGY

Month	Unit/Ch.No.	Chapter Name
April	I/1 2	<ul style="list-style-type: none"> • The Living World • Biological Classification
May	3 4	<ul style="list-style-type: none"> • Plant Kingdom • Animal Kingdom
July	II/5 7	<ul style="list-style-type: none"> • Morphology of Flowering Plants • Structural Organization in Animals
Aug.	III/8 9	<ul style="list-style-type: none"> • Cell – The Unit of Life • Biomolecules

Sep	10 IV/13 14	<ul style="list-style-type: none"> • Cell Cycle and Cell Division • Photosynthesis in Higher Plants • Respiration in Plants
Oct.	14 15 V/17	<ul style="list-style-type: none"> • Respiration in Plants contd. • Plant Growth and development • Breathing and Exchange of gases
Nov.	V/17 18 19	<ul style="list-style-type: none"> • Breathing and Exchange of gases contd. • Body Fluids and Circulation • Excretory Products and Their Elimination
Dec	20 21	<ul style="list-style-type: none"> • Locomotion and Movement • Neural Control and Coordination

	22	<ul style="list-style-type: none"> • Chemical Coordination and Integration
Jan	22	<ul style="list-style-type: none"> • Chemical Coordination and Integration contd.
Feb		<ul style="list-style-type: none"> • Revision

COMPUTER SCIENCE

APRIL	Getting Started with Python Python Programming Fundamentals -1
MAY	Python Programming Fundamentals -2
JULY	Conditional and Looping Constructs
AUGUST	Strings in Python
SEPTEMBER	Lists in Python
OCTOBER	Tuples in Python
NOVEMBER	Dictionary in Python
DECEMBER	Society , Laws and Ethics

JANUARY	Introduction to Python Modules
FEBRUARY	Revision

INFORMATICS PRACTICES

APRIL	Introduction to Computer Systems
MAY	Getting Started with Python Python Programming Fundamentals -1
JULY	Python Programming Fundamentals -2
AUGUST	Conditional and Looping constructs
SEPTEMBER	Lists in Python
OCTOBER	Dictionary in Python
NOVEMBER	Database Concepts
DECEMBER	Structured Query Language
JANUARY	Introduction to Emerging Trends

FEBRUARY	Revision
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ENTREPRENEURSHIP

TERM – I

Month	Chapters.
April – May	<p>UNIT 1: ENTREPRENEURSHIP: WHAT, WHY AND HOW</p> <ul style="list-style-type: none"> • Entrepreneurship – Concept, Functions and Need. • Why Entrepreneurship for you <p>PROJECT WORK – CASE STUDY</p>
July	<ul style="list-style-type: none"> • Myths about Entrepreneurship. • Advantages and limitations of Entrepreneurship. • Process of Entrepreneurship • Entrepreneurship – The Indian scenario. <p>UNIT 2: AN ENTREPRENEUR</p> <ul style="list-style-type: none"> • Why be an Entrepreneur • Types of Entrepreneurs.
August	<ul style="list-style-type: none"> • Competencies and characteristics • Entrepreneurial Values, Attitudes and Motivation. • Intrapreneur: Meaning and Importance. <p>UNIT 3: ENTREPRENEURSHIP JOURNEY</p> <ul style="list-style-type: none"> • Idea Generation. • Feasibility Study and Opportunity Assessment
September	<ul style="list-style-type: none"> • Business Plan – Meaning, Purpose and elements • Execution of Business Plan.

TERM – II

Month	Chapters.
October	<p>UNIT 4: ENTREPRENEURSHIP AS INNOVATION AND PROBLEM SOLVING</p> <ul style="list-style-type: none"> • Entrepreneurs as problem solvers. • Innovations and Entrepreneurial ventures- Global and Indian. • Role of technology- E-commerce and social media. • Social Entrepreneurship - Concept
November	<p>UNIT 5: UNDERSTANDING THE MARKET</p> <ul style="list-style-type: none"> • Market: Concept, types • Micro and Macro Market Environment • Market Research – Concept, Importance and Process • Marketing mix <p>PROJECT WORK – KNOW YOUR STATE HANDICRAFT AND HANDLOOM</p>
December	<p>UNIT 6: BUSINESS FINANCE AND ARITHMETIC</p> <ul style="list-style-type: none"> • Unit of Sale, Unit Price and Unit Cost- For single product/service • Types of costs- Start up, Variable and Fixed • Break Even Analysis – For single product/service
January	<p>UNIT 7 : RESOURCE MOBILIZATION</p> <ul style="list-style-type: none"> • Types of resources- Physical, Human, Financial and Tangible. • Selection and utilization of human resources and professionals like Accountants, Lawyers, Auditors, Board Members

SUBJECT-ECONOMICS
CLASS-XI

APRIL/ MAY	<p><u>STATISTICS Unit: Introduction</u> What is Economics? Meaning, scope and importance of statistics in Economics</p> <p><u>STATISTICS Unit: Collection, Organization and Presentation of data</u> Collection of data - sources of data - primary and secondary;</p> <p>PROJECT WORK</p>
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<p>JULY</p>	<p><u>STATISTICS Unit: Collection, Organization and Presentation of data (Continued)</u> Collection of Data (cont.) Methods of collecting data; Some important sources of secondary data: Census of India and National Sample Survey Organization. Organization of Data: Meaning and types of variables; Frequency Distribution. Presentation of Data: Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and ogive) and (iii) Arithmetic line graphs (time series graph). <u>MICRO ECONOMIC- Unit: Introduction</u> Meaning of microeconomics and macroeconomics What is an economy? Central problems of an economy: what, how and for whom to produce <u>Unit: Consumer Equilibrium and Demand</u> Consumer's equilibrium – meaning of utility, marginal utility, law of diminishing marginal utility, conditions of consumer's equilibrium using marginal utility analysis. Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium. PROJECT WORK</p>
<p>AUGUST</p>	<p><u>MICRO ECONOMICS Unit: Consumer Equilibrium and Demand (Continued)</u> Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve. price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage <u>STATISTICS Unit: Statistical Tools and Interpretation</u> Measures of Central Tendency- mean (simple and weighted), median and mode. PROJECT WORK</p>
<p>SEPTEMBER</p>	<p><u>STATISTICS Unit: Statistical Tools and Interpretation (Continued)</u> Measures of Central Tendency- mean (simple and weighted), median and mode. <u>MICRO ECONOMICS Unit: Producer Behaviour and Supply</u> Production function: Short and long Run-Total Product, Average Product and Marginal Product. Returns to a Factor. <u>Revision</u> (HALF YEARLY EXAMINATION) PROJECT WORK</p>
<p>OCTOBER</p>	<p><u>MICRO ECONOMICS Unit: Producer Behaviour and Supply (Continued)</u> Cost and Revenue: Short run costs - total cost, total fixed cost, total variable cost; Average fixed cost, Average variable cost and marginal cost-meaning and their relationship.</p>

	Revenue - total, average and marginal revenue. Meaning and their relations Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply – percentage change method PROJECT WORK
NOVEMBER	<u>STATISTICS Unit: Statistical Tools and Interpretation</u> Measures of Dispersion - absolute dispersion (standard deviation); relative dispersion (co-efficient of variation); Lorenz Curve: Meaning and its application. Correlation - meaning, scatter diagram; Measures of correlation - Karl Pearson's method (two variables ungrouped data) PROJECT WORK
DECEMBER	<u>STATISTICS Unit: Statistical Tools and Interpretation (Continued)</u> Introduction to Index Numbers - meaning, types - wholesale price index and consumer price index, uses of index numbers; Inflation and index numbers. Some Mathematical tools used in Economics: Equation of a line, slope of a line, slope of a curve <u>MICRO ECONOMICS Unit: Forms of Market and Price Determination</u> Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. PROJECT WORK
JANUARY	<u>MICRO ECONOMICS Unit: Forms of Market and Price Determination (Continued)</u> Simple Applications of Demand and Supply: Price ceiling, price floor. PROJECT SUBMISSION
FEBRUARY	REVISION AND ANNUAL EXAMINATIONS

SUBJECT - ACCOUNTANCY

TERM – I

Month	Chapters.
April – May	1. Introduction to Accounting <ul style="list-style-type: none"> • Accounting- concept, objectives, advantages and limitations, types of accounting information; users of accounting information and their needs. Qualitative Characteristics of Accounting Information.; Role of Accounting in Business. • PROJECT WORK

July	<ul style="list-style-type: none"> • Basic Accounting Terms- Business Transaction, Capital, Drawings. Liabilities (Non Current and Current). Assets (Non Current, Current); Fixed assets (Tangible and Intangible), Expenditure (Capital and Revenue), Expense, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtor, Creditor, Voucher, Discount (Trade discount and Cash Discount) <p>2. Theory Base of Accounting</p> <ul style="list-style-type: none"> • Fundamental accounting assumptions: GAAP: Concept • Business Entity, Money Measurement, Going Concern, Accounting Period, Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full Disclosure, Consistency, Conservatism, Materiality and Objectivity • System of Accounting. Basis of Accounting: cash basis and accrual basis • Accounting Standards: Applicability • Need of IFRS ; • Goods and Services Tax (GST): Characteristics and Objective.
August	<p>Unit-2: Accounting Process</p> <p>1. Recording of Business Transactions</p> <ul style="list-style-type: none"> • Voucher and Transactions: Source documents and Vouchers, Preparation of Vouchers, Accounting Equation Approach: Meaning and Analysis, Rules of Debit and Credit. • Recording of Transactions: Books of Original Entry- <ul style="list-style-type: none"> a) Journal ; b) Special Purpose books: <ul style="list-style-type: none"> Cash Book: Simple, cash book with bank column and petty cashbook Purchases book Sales book ; Purchases return book; Sales return book Note: Including simple GST calculations

September	<ul style="list-style-type: none"> • Ledger: Format, Posting from journal and subsidiary books, Balancing of accounts • Trial balance: Objectives and Preparation • Errors: types-errors of omission, commission, principles, and compensating; their effect on Trial Balance. • Detection and rectification of errors; preparation of suspense account. • Bank Reconciliation Statement: Need and preparation
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TERM – I I

Month	Chapters.
October	<p>2. Depreciation, Provisions and Reserves.</p> <ul style="list-style-type: none"> • Depreciation: Concept, Features, Causes, factors; Other similar terms: Depletion and Amortisation • Methods of Depreciation: i. Straight Line Method (SLM) ii. Written Down Value Method (WDV) Note: Excluding change of method • Difference between SLM and WDV; Advantages of SLM and WDV • Accounting treatment of depreciation i. Charging to asset account ii. Creating provision for depreciation/accumulated depreciation account iii. Treatment for disposal of asset • Provisions and Reserves: Difference • Types of Reserves: i. Revenue reserve ii. Capital reserve iii. General reserve iv. Specific reserve v. Secret Reserve • Difference between capital and revenue reserve
November	<p>3. Accounting for Bills of Exchange.</p> <ul style="list-style-type: none"> • Bill of exchange and Promissory Note: Definition, Specimen, Features, Parties. • Difference between Bill of Exchange and Promissory Note • Terms in Bill of Exchange: i. Term of Bill ii. Accommodation bill (concept) iii. Days of Grace iv. Date of maturity v. Discounting of bill vi. Endorsement of bill vii. Bill after due date viii. Negotiation ix. Bill sent for collection x. Dishonour of bill

December	<ol style="list-style-type: none"> 1. Financial Statements <ul style="list-style-type: none"> • Receipts and Expenditure: Revenue receipts and capital receipts. Capital expenditure, Revenue expenditure, Deferred Revenue Expenditure. • Objective and Importance. • Trading and Profit and Loss Account: Gross Profit, Operating profit and net profit. Preparation. • Balance Sheet: need, grouping and marshalling of assets and liabilities. Preparation. • Adjustments in preparation of financial statements with respect to closing stock, outstanding expenses, prepaid expenses, accrued income, income received in advance, depreciation, bad debts, provision for doubtful debts, provision for discount on debtors, Abnormal loss, Goods taken for personal use/staff welfare, interest on capital and managers commission. • Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments. 2. Incomplete Records <ul style="list-style-type: none"> • Features, Reasons and Limitations. • Ascertainment of profit/loss by statement of affairs method. • Project Work (Any One) 10 Marks <ol style="list-style-type: none"> 1. Collection of source documents, preparation of vouchers, recording of transactions with the help of vouchers. 2. Preparation of Bank Reconciliation Statement with the given cash book and the pass book with twenty to twenty-five transactions. 3. Comprehensive project of any sole proprietorship business. This may state with journal entries and their ledgering, preparation of Trial balance. Trading and Profit and Loss Account and Balance Sheet. Expenses, incomes and profit (loss), assets and liabilities are to be depicted using pie chart / bar diagram.
January	<p>Unit 4: Computers in Accounting</p> <ul style="list-style-type: none"> • Introduction to computer and accounting information system { AIS }: Introduction to computers (elements, capabilities, limitations of computer system) • Automation of accounting process: meaning

PAINTING

MONTH	UNIT		CONTENT/DETAILS
July	Unit-1	Pre-historic Rock Paintings and Art of Indus Valley	1. Pre-Historic Rock Painting Introduction 2. Study and appreciation of sculpture
August		Pre-historic Rock Paintings and Art of Indus Valley	1. Study and appreciation of Seal
September	Unit -2	Buddhist, Jain, and Hindu Art	1. Introduction of Art during Mauryan, Shunga, Kushana and Gupta Period
October		Buddhist, Jain, and Hindu Art	1. Appreciation of sculpture 2. Introduction of Ajanta
November	Unit -3	Temple Sculptures, Bronzes, and artistic aspects of Indo-Islamic architecture	1. Artistic aspects of Temple Sculpture 2. Introduction Indian Bronzes
December		Temple Sculptures, Bronzes, and artistic aspects of Indo-Islamic architecture	1. Artistic aspects of Indo-Islamic Architecture