

BHARATIYA VIDYA BHAVAN, KOCHI

STD XI ENGLISH - YEAR PLAN FOR THE ACADEMIC YEAR 2024-25

MONTH	TOPIC / SUB-TOPIC		GRAMMAR	WRITING
	HORNBILL	SNAPSHOTS		
JUNE (21 days)	L1. The Portrait of a Lady P1. A Photograph P2. The Laburnum Top	L1. The Summer of the Beautiful White Horse	G1 Tenses	W1 Poster
JULY (24 days)	L2. We're Not Afraid to Die.... if We Can All Be Together (Not included for Mid Term Evaluation 1)		G2. Sentence Reordering	
UNIT TEST I (31/07/2024 - 07/08/2024)				
AUGUST (20 days)	L3. Discovering Tut: the Saga Continues			R1. Note Making W2. Speech
SEPTEMBER (16 days)	P3. The Voice of the Rain	L2. The Address		W3. Advertisements (Classifieds) i. Situation Wanted/ vacant ii. For sale/ To Let
OCTOBER (22 days)	P4. Childhood	L3. Mother's Day	G3. IF Clauses	
TERM END EVALUATION (18/10/2024 - 30/10/2024)				
NOVEMBER (24 days)		L4. Birth	G2. Sentence Reordering	W3. Advertisements (Classifieds) iii. Automobile iv. Missing v. Lost and Found vi. Educational Institution vii. Travel and Tours
DECEMBER (17 days)	L4. The Adventure P5. Father to Son			W4. Debate
UNIT TEST II (03/01/2025 - 10/01/2025)				
JANUARY (24 days)	L5. Silk Road	L5. The Tale of Melon City	G4. Transformation of Sentences	
FEBRUARY (22 days)	Revision FINAL EXAMINATION (17/02/2025 - 28/02/2025)			

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**YEAR PLAN FOR THE ACADEMIC YEAR 2024-2025****STD XI - MATHEMATICS (041)**

MONTH	UNIT	TOPIC	SUB TOPICS	CONCEPTS
JUNE	1	SETS	Introduction Sets and their representations Empty set Finite and Infinite sets Equal Sets Subsets Intervals as subsets of R Universal set Operations on sets Complement of a set	Sets and their representations. Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations), Universal set, Venn diagrams, Union and Intersection of sets, difference of sets, complement of sets, properties of complement.
	2	RELATIONS AND FUNCTIONS	Introduction Cartesian product of sets Relations Functions	Ordered pairs , Cartesian product of the sets, Number of elements in the cartesian product of two finite sets, Cartesian product of the set of reals with itself ($R \times R \times R$). Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function. Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions with their graphs. Sum, difference, product and quotient of functions.

JULY	4	COMPLEX NUMBERS & QUADRATIC EQUATIONS	Introduction Complex numbers Algebra of complex numbers Argand plane	Need for complex numbers, especially $\sqrt{-1}$ to be motivated by inability to solve some of the quadratic equations. Algebraic properties of complex numbers. Argand plane.
MID TERM EVALUATION I (Chapters - 1, 2 & 4)				
AUGUST	8	SEQUENCES AND SERIES	Introduction Sequences Series Arithmetic Mean Geometric progression Relationship between AM and GM	Sequences & Series, Arithmetic Mean (A.M.) Geometric Progression (GP), general term of a G.P, sum of first n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.
SEPTEMBER	3	TRIGONOMETRIC FUNCTIONS	Introduction Angles Trigonometric functions Trigonometric functions of sum and diffence of some angles	Positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the trigonometric identity $\sin^2x + \cos^2x = 1$, for all x. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x \pm y)$ and $\cos(x \pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple applications. Deducing the identities of $\tan(x+y)$, $\tan(x-y)$ $\cot(x+y)$, $\cot(x-y)$, $\sin x + \sin y$, $\sin x - \sin y$, $\cos x + \cos y$, $\cos x - \cos y$. Identities related to $\sin 2x, \cos 2x, \tan 2x, \sin 3x, \cos 3x$ and $\tan 3x$.

	13	STATISTICS (NOT FOR TERM END EVALUATION)	Introduction Measures of dispersion Range Mean deviation Variance and Standard deviation	Measures of dispersion: Range, mean deviation, variance and standard deviation of ungrouped/grouped data
TERM END EVALUATION (Chapters - 1, 2, 4, 8 & 3)				
OCTOBER	9	STRAIGHT LINES	Introduction Slope of a Line	Brief recall of two dimensional geometry from earlier classes, Slope of a line and angle between two lines.
NOVEMBER	9	STRAIGHT LINES (CONTD)	Various forms of the equation of a line Distance of a point from a line	Various forms of equations of a line: parallel to axis, point-slope form, slope intercept form, two-point form, intercept form. Distance of a point from a line.
	11	INTRODUCTION TO THREE DIMENSIONAL GEOMETRY	Introduction Coordinate axes and coordinate planes in 3-dimensional space Coordinates of a point in space Distance between two points Section formula	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points
DECEMBER	6	PERMUTATIONS & COMBINATIONS	Introduction Fundamental principle of counting	Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of formula for npr and ncr and their connections, simple applications.
	7	BINOMIAL THEOREM	Introduction Binomial theorem for positive integral indices	Historical perspective, statement and proof of the binomial theorem for positive integral indices., Pascal's triangle, simple applications.

	10	CONIC SECTIONS (NOT FOR MID TERM EVALUATION II)	Introduction Sections of a cone Circle Parabola Ellipse	Sections of a cone: circle, ellipse, parabola, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of a conic section. Standard equations and simple properties of parabola, ellipse and hyperbola. Standard equation of a circle.
MID TERM EVALUATION II (Chapters - 13, 9, 11, 6 & 7)				
JANUARY	12	LIMITS AND DERIVATIVES	Introduction Intuitive idea of derivatives Limits Limits of Trigonometric functions Derivatives	Derivative introduced as rate of change both as that of distance function and geometrically. Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. Definition of derivative, relate it to slope of tangent of the curve, derivative of sum, difference, product and quotient of functions. Derivatives of polynomial and trigonometric functions.
	5	LINEAR INEQUALITIES	Introduction Inequalities Algebraic solutions of linear inequalities in one variable	Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.
FEBRUARY	14	PROBABILITY	Introduction Random experiments Event Axiomatic approach to probability	Events, occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic (set theoretic) probability, connections with other theories of earlier classes, probability of an event, probability of 'not', 'and' and 'or' events.
FINAL EXAMINATION				

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**YEAR PLAN FOR THE ACADEMIC YEAR 2024-25****CLASS XI - BUSINESS STUDIES**

MON TH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	EVOLUTION AND FUNDAMENTALS OF BUSINESS	1.1 Introduction	History of Trade and Commerce in India,Indigenous Banking System, Rise of Intermediaries,Transport, Trading Communities: Merchant Corporations, Major Trade Centres, Major Imports and Exports, Position of Indian Sub-Continent in the World Economy.
		1.2 Business	Meaning of business with special reference to economic and non- economic activities,characteristics of business, comparison of business, profession and employment.
		1.3 Classification of business activities	Industry and commerce, Industry- types: Primary, secondary, tertiary: Meaning and subgroups , Commerce - Trade and Auxiliaries to trade.
		1.4 Objectives of business	Objectives of business- Economic & Social, Examine role of profit in business.
		1.5 Business Risk	Concept, nature and causes
JUNE/ JULY	FORMS OF BUSINESS ORGANISATION	2.1 Introduction	Introduction
		2.2 Sole proprietorship	Concept, merits and limitation
		2.3 Joint Hindu Family Business	Concept
		2.4 Partnership	Concept, types, merits and limitation of partnership, Registration of a partnership firm, Partnership Deed.Types of partners .

		2.5 Cooperative society	Concept, merit and limitation and types of co-operatives.
		2.6 Joint Stock Company	Concept, merits, and limitations, types- private, public and One person company. Comparison of types of companies. Formation of a company - stages, important documents to be used in formation of a company.
		2.7 Choice of form of business organisation	Distinguish between various forms of business organisations. Choice of form of business organisation
MID TERM EVALUATION - I (25 MARKS)			
AUGUST	PUBLIC, PRIVATE AND GLOBAL ENTERPRISES	3.1 Introduction	Introduction
		3.2 Private Sector and Public sector	Concept
		3.3 Forms of Public Sector Enterprises.	Departmental Undertakings, Statutory Corporations and Government Company.Features, merits and limitations of different forms of public sector enterprises
		3.5 Global Enterprises	Meaning and features.
		3.6 Joint Ventures	Meaning and features.
		3.7 Public,Private partnership	Meaning and features.
		SEPTEMBER	BUSINESS SERVICES
4.2 Nature of Services	Nature of services		
4.3 Types of business services	Meaning and types		
4.4 Banking	Types of bank accounts, banking services - Bank Draft, Bank overdraft, cash credit, E- banking.		
4.5 Insurance	Principles and types- Life, Health, Fire and Marine - Meaning.		
4.6 Communication services	Postal services- Mail,Registered post, parcel, speed post, courier.		
EMERGING MODES OF BUSINESS	5.1 Introduction		

		5.2 E-business	Concept and scope.Distinguish between E-business and Traditional business
		5.3 Benefits of E-Business	Benefits of E-business
OCTOBER	SOCIAL RESPONSIBILITIES OF BUSINESS AND BUSINESS ETHICS	6.1 Introduction	Introduction
		6.2 Concept of Social Responsibility	Concept
		6.3 Arguments for social responsibility	Case of social responsibility
		6.4 Social responsibility towards different interest groups	Social responsibility towards different interest groups
		6.5 Business and environmental protection	Role of business in environment protection
		6.6 Business Ethics	Concept and elements
TERM END EVALUATION (25 MARKS)			
NOVEMBER	SOURCES OF BUSINESS FINANCE	7.1 Introduction	Introduction
		7.2 Meaning, nature and significance of business finance	Meaning, nature and significance of business finance
		7.3 Sources of finance	Owners' funds- equity shares, preference share, retained earnings. Borrowed funds: debentures and bonds, loan from financial institution and commercial banks, public deposits, trade credit, Inter Corporate Deposits (ICD) (meaning only).Distinguish between owner's funds and borrowed funds
	SMALL BUSINESS AND ENTERPRISES	8.1 Entrepreneurship Development	Concept, Characteristics and Need. Process of Entrepreneurship Development: Start-up India Scheme, ways to fund start-up. Intellectual Property Rights and Entrepreneurship.
		8.2 Small scale enterprises	Meaning,MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act)

		8.3 Role of small business in India with special reference to rural areas	Role of small business in India with special reference to rural areas
		8.4 Government schemes and agencies for small scale industries	National Small Industries Corporation (NSIC) and District Industrial Centre (DIC) with special reference to rural, backward areas
DECEMBER	INTERNAL TRADE	9.1 Internal trade	Meaning and types
		9.2 wholesale trade	Services rendered by a wholesaler.
		9.3 Retail Trade	Services rendered by a retailer, Types of retail-trade-Itinerant and small scale fixed shops retailers, Large scale retailers-Departmental stores, chain stores and Mail order business – concept and features.
		9.4 Goods and Services Tax	Concept and features.
MID TERM EVALUATION- II (25 MARKS)			
JANUARY/ FEBRUARY	INTERNATIONAL TRADE	10.1 International Trade	Concept, benefits and scope.
		10.2 Export Trade	Meaning, Procedure and objectives.
		10.3 Import Trade	Meaning, Procedure and objectives.
		10.4 Documents involved in International Trade	Indent, letter of credit, shipping order, shipping bills, mate's receipt (DA/DP)
		10.5 World Trade Organisation	Meaning and objective
FINAL EVALUATION (80 MARKS)			

BHARATIYA VIDYA BHAVAN, KOCHI
LEGAL STUDIES (074)
YEAR PLAN 2024-2025

STD: XI

LEGAL STUDIES			
Month	Topic	Sub - topic	Concepts
June	Concept of State	i. What is a State? ii. The concept of State and Article 12 of the Indian Constitution iii. What is Government? iv. Emergence of the State from Society v. Definition of State vi. Theories on the Origin of State vii. Elements of a State viii. Role of a State	a) Monarchy b) Aristocracy c) Dictatorship d) Democracy
	Forms and Organs of Government	i. Introduction to the Organs of Government ii. Forms of Government iii. Main organs of Government and its functions	a) General Functions of Legislature as Organ of Government b) General Functions of Executive as Organ of Government c) General Functions of Judiciary as Organ of Government
July	Separation of Powers	i. Concept of Separation of Powers ii. Historical Background and Evolution of Montesquieu's Doctrine of Separation of Powers iii. Evaluation of The Doctrine of Separation of Powers iv. Separation of Powers In Practice	a) Montesquieu's Doctrine of Separation of Powers b) Basic Features of the Doctrine of Separation of Powers as enunciated by Montesquieu c) Checks and Balances of Power d) Impact of the Doctrine a) Key Benefits and Advantages of The Doctrine of Separation of Powers b) Defects of the Doctrine a) Separation of Powers in Britain

September	<p>Unit 3 Jurisprudence, Nature and Sources of Law</p> <p>Classification of Laws</p> <p>Sources of Laws</p>	<p>i. Introduction ii. Historical Perspective</p> <p>i) Classification of law based on Subject matter ii. Classification of law based on Scope of Law</p> <p>i. Where does law come from? ii. Custom as a Source of Law</p>	<p>Schools of Law, Function and Purpose of Law</p> <p>Classification of law based on Jurisdiction</p> <p>a) Importance of Custom as a Source of Law in India b) Judicial Precedent as a Source of Law c) Legislation as a Source of Law</p>
October	Cyber Laws, Safety and Security in India	<p>i. Introduction ii. Why do we need Cyber Laws? iii. What is Cyber law? iv. What is Cyber safety and Security? v. What is Cyber-crime?</p>	<p>a) Categories of Cyber-crime b) Cyber law in India c) Scope or Extent of The Information Technology Act, 2000(IT Act) d) What was Section 66A IT Act, 2000?</p>
TERM END EVALUATION (OCT 18 - OCT30) (80 Marks)			
November	<p>Unit 4 Judiciary: Constitutional, Civil and Criminal Courts and Processes</p>	<p>i. Introduction: Establishment of the Supreme Court and High Courts ii. Constitution, Roles and Impartiality</p> <p>iii. The Civil Court Structure</p> <p>iv. Structure and Functioning of Criminal Courts in India</p>	<p>a) Independence and Impartiality of the Supreme Court b) Structure and Hierarchy of the Courts in India c) The Civil Process and functioning of Civil Courts a) Common Legal Terminologies b) Types of Jurisdictions c) Res subjudice and Res judicata in Code of Civil Procedure, 1908 a) Types of Offences b) Criminal Investigations and First Information Report (FIR) c) Criminal Process- Investigation and Prosecution</p>

		v. Other Courts In India	<p>d) Doctrine of autrefois acquit and autrefois convict (i.e. previously acquitted and previously convicted)</p> <p>e) Function and Role of Police</p> <p>a) Family Courts</p> <p>b) Administrative Tribunals</p>
December	<p>Unit 5</p> <p>Family Justice System</p> <p>Institutional Framework</p> <p>Marriage and Divorce</p>	<p>i. Nature of Family Laws in India</p> <p>ii. Human Rights and Gender Perspective</p> <p>iii. Institutional Framework- Family Courts</p> <p>iv. Role of Women in the creation of Family Courts</p>	<p>a) Role of Lawyers and Counselors in Family Courts</p> <p>b) Role of Counselors and Gender Issues</p> <p>c) Marriage and Divorce</p>
<p>UNIT TEST- II (JAN 3 – JAN 10) (25 Marks)</p>			
January	<p>Child Rights</p> <p>Adoption</p> <p>Property, Succession and Inheritance</p>	<p>i. Child Rights</p> <p>ii. Right to Education</p> <p>iii. Right to Health</p> <p>iv. Right to Shelter</p> <p>i. Adoption</p> <p>ii. Minor custody and Guardianship</p> <p>i. Concept of Property: Joint Family Property and Separate Property</p> <p>ii. Inheritance and Succession</p> <p>iii. Intestate Succession</p>	<p>a) Child Labour</p> <p>b) Sexual Abuse</p> <p>c) Juvenile Justice</p> <p>a) Rules relating to Intestate Succession</p> <p>b) Testamentary Succession</p>
<p>FINAL EXAMINATION (FEB 17 - FEB 28) (80 Marks)</p>			

February	Prevention of Violence against Women	<ul style="list-style-type: none"> i. What is Domestic abuse / violence? ii. International Legal Framework iii. III. Laws in India on Prevention of Violence against Women 	<ul style="list-style-type: none"> a) Protection of Women from Domestic Violence Act (PWDVA), 2005 b) Sexual Harassment of Women at Workplace : Prevention, Prohibition, and Redressal
<p>BHAVAN'S VIDYA MANDIR, ELAMAKKARA</p>			

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**YEAR PLAN FOR THE ACADEMIC YEAR 2024-25****CLASS XI - ACCOUNTANCY**

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	Introduction to Accounting	1.1 Meaning of Accounting	Accounting- concept, meaning, Advantages and limitations, Role of accounting in Business.
		1.2 Accounting as a Source of Information	As a source of information, Types of Accounting information and their needs, Users of accounting information. Qualitative Characteristics of Accounting Information
		1.3 Objectives of Accounting	Maintenance of Records of Business Transaction Calculation of Profit and Loss Depiction of Financial Position Providing Accounting Information to its User
		1.4 Basic Terms in Accounting	Entity, Business Transaction, Capital, Drawings\Liabilities (Non-Current and Current). Assets (Non-Current, Current); Expenditure (Capital and Revenue), Expense, Revenue, Income, Profit, Gain, Loss, Purchase, Sales, Goods, Stock, Debtor, Creditor, Voucher, Discount (Trade discount and Cash Discount)
JUNE -JULY	Theory Base of Accounting	2.1 Generally Accepted Accounting Principles	Fundamental accounting assumptions': Concept
		2.2 Basic Accounting Concepts	Business Entity, Money Measurement, Going Concern, Accounting Period, Cost Concept, Dual Aspect, Revenue Recognition, Matching, Full Disclosure. Consistency, Conservatism, Materiality and Objectivity

		2.3 Systems of Accounting	Meaning
		2.4 Basis of Accounting	Cash basis and Accrual Basis
		2.5 Accounting Standards	Applicability of Accounting Standards (AS) and Indian Accounting Standards (IndAS)
		2.6 Goods and Services Tax (GST)	Characteristics and Advantages.
JULY	Recording of Business Transactions	3.1 Voucher and Transactions	Source documents and Vouchers, Preparation of Vouchers
		3.2 Accounting Equation Approach	Meaning and Analysis.
UNIT TEST I (31 July – 7 August)			
AUGUST	Recording of Business Transactions	3.3 Rules of Debit and Credit.	Traditional and Modern Approach
		3.4 Books of Original Entry	Journal with GST
SEPTEMBER	Recording of Business Transactions	4.1 Cash Book	Simple cash book, cash book with bank column and petty cashbook
		4.2 Special Purpose books	Purchases book, sales book, Purchases return book, sales return book and Journal proper Note: Including trade discount, freight and cartage expenses for simple GST calculation.
OCTOBER	Recording of Business Transactions	4.3 Ledger	Format, posting from journal and subsidiary books, Balancing of accounts
OCTOBER-NOVEMBER	Recording of Business Transactions	5.1 Trial balance	Trial balance: objectives, meaning and preparation (Scope: Trial balance with balance method only)
TERM END EVALUATION (18 October – 30 October)			

NOVEMBER	Recording of Business Transactions	5.2 Rectification of Errors	Errors: classification-errors of omission, commission, principles, and compensating; their effect on Trial Balance. Detection and rectification of errors Preparation of suspense account.
		6.1 Bank reconciliation Statement	Need and preparation, Bank Reconciliation Statement
DECEMBER	Recording of Business Transactions	7.1 Depreciation	Depreciation: Meaning, Features, Need, 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 · Method of recoding depreciation i. Charging to asset account ii. Creating provision for depreciation/accumulated depreciation account, Treatment of disposal of asset
		7.2 Provisions and Reserves	Meaning, Difference Between Provisions and Reserves. Types of Reserves: i. Revenue reserve ii. Capital reserve iii. General reserve iv. Specific reserve v. Secret Reserve Difference between capital and revenue reserve
UNIT TEST II (3 January – 10 January)			

JANUARY - FEBUARY	Financial Statements	8.1 Preparation of financial statements without adjustments	Meaning, objectives and importance; Revenue and Capital Receipts; Revenue and Capital Expenditure; Deferred Revenue expenditure. Opening journal entry. 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.
		8.2 Preparation of financial statements with adjustments	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 manager's commission. Preparation of Trading and Profit and Loss account and Balance Sheet of a sole proprietorship with adjustments.
FEBUARY	Accounts of Incomplete Records	9.1 Incomplete Records	Features, reasons and limitations. Ascertainment of Profit/Loss by Statement of Affairs method. (excluding conversion method)
REVISION			
FINAL EXAMINATION (17 February - 28 February)			

YEAR PLAN FOR THE ACADEMIC YEAR 2024-25		STD XI ECONOMICS	
MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	1. Introduction to Statistics	What is Economics? Meaning, scope and importance of statistics in Economics	Consumer, Producer, Seller, Employer, employee, Economic activity, Consumption, Production and Distribution, Market, Economics, Statistics, Economic policy, Economic data.
	1. Introduction	Meaning of microeconomics and macroeconomics; positive and normative economics What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.	Micro & Macroeconomics, Normative & Positive economics, Economy, Central problems, PPC, Opportunity cost
JULY	2. Collection of data	Sources of data - primary and secondary; how basic data is collected, with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organization.	Sources of data, Primary data, Secondary data, Methods of data collection, Questionnaire and preparation, Modes of data collection, Personal interview, Mailing questionnaire, Telephonic interview, Pilot survey, Census, Population & Sample, Random & non-random sampling, Sampling & non-sampling errors, NSO.
	2. Consumer's Equilibrium and Demand	Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis	Consumers equilibrium, Utility, MU, DMU
AUGUST	3. Organization of data	Meaning and types of variables; Frequency Distribution. frequency array, exclusive and inclusive series.	Raw data, classification of data, Types of classification, Variables & attributes, Continuous & Discrete variables, Frequency distribution, Equal & Unequal classes, Inclusive & Exclusive classes, Adjustments in class intervals, Loss of information, Frequency distribution with unequal classes, Frequency array, Bivariate frequency distribution.

	2. Consumer's Equilibrium and Demand	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.	Indifference curve, IC map, Budget line, Budget set.
SEPTEMBER	4. Presentation of data	Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams – Simple and Multiple, Pie diagram) (ii) Frequency diagrams (histogram, Polygon and ogive)	Textual presentation of data, tabular presentation, Parts of a table, Diagrammatic presentation, Bar diagrams & Pie diagrams, Frequency diagrams-Histogram, Polygon, Ogives, Arithmetic line graphs
	2. Consumer's Equilibrium and Demand	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	Demand, Market demand, Demand schedule, Demand curve, Price elasticity
OCTOBER/ NOVEMBER	5. Measures of central tendency: mean (simple), median and mode	Mean, Median & Mode	Mean (simple), Median and Mode
	3. Producer Behaviour and Supply	Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships. Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship. Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue Marginal Cost. Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price	Production function, TP, AP, MP, TR, AR, MR, TC, AC, MC, Price elasticity, Supply

		elasticity of supply; measurement of price elasticity of supply - percentage-change method.	
NOVEMBER/ DECEMBER	6. Correlatation	meaning and properties, scatter diagram; measures of correlation - Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks).	Correlation, Scatter diagram, Ungrouped data, Repeated and non-repeated ranks
JANUARY	7. Introduction to Index numbers	meaning, types - Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method.	Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method.
	4. Perfect Competition - Price Determination and simple applications.	Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only) Simple Applications of Demand and Supply: Price ceiling, Price floor.	Perfect competition, Price ceiling, Price floor.
FEBRUARY	REVISION/FINAL EXAM		

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
STD XI – HISTORY
YEAR PLAN FOR THE ACADEMIC YEAR 2024-2025

MONTH	TOPIC	SUB TOPIC	CONCEPTS
JUNE	1. Writing and City Life	<ul style="list-style-type: none"> * Mesopotamia and its geography * Significance of urbanism * Development of writing * Urbanization in southern Mesopotamia: temples and kings * Life in the city * The legacy of writing 	<ul style="list-style-type: none"> * Sources * Origin of the term Mesopotamia * Sources * Society and geography * Occupation of the people * Movement of goods into cities * Uses of writing and literacy * Urban society * Life in Ur and Mari * Contributions of Mesopotamia
JULY	2. An Empire across Three Continents	<ul style="list-style-type: none"> * The early empire * The third century crisis * Gender, literacy, culture * Social hierarchies * Late antiquity 	<ul style="list-style-type: none"> * Sources * Roman and Iranian Empire * Pillars of Roman Empire * Succession to the throne * Administration of the empire – urbanization * Structure of family * Economic activities * Monetary system and bureaucracy
UNIT TEST I JULY 31 -AUGUST 7 (25 MARKS)			
AUGUST	3. Nomadic Empires	<ul style="list-style-type: none"> * Introduction, social and political background * The career of Genghis Khan * The Mongols after Genghis Khan * Social political and military organisation * Conclusion: situating Genghis Khan and the Mongols in world history 	<ul style="list-style-type: none"> * Sources * Rise of Mongol tribe * Life and achievements of Genghis Khan * The Mongols after Genghis Khan * Social, Political and Military Organisation * Development in Trade & communication in Mongolia * The legal code of law – Yasa
SEPTEMBER	4. The Three Orders	<ul style="list-style-type: none"> * Introduction to feudalism * Second order, Knights * First order, First order * Factors affecting social and economic relations * New agricultural technology * A fourth order * Crisis of fourteenth century 	<ul style="list-style-type: none"> * Sources to know the European society * Meaning and features of feudalism * The Three Orders * Technological changes in Agriculture * New towns and townspeople * Black death Bubonic plague * Political changes between 15th and 16th centuries
TERM END EVALUATION OCTOBER 18-30 (80 MARKS)			

OCTOBER	5. Changing Cultural Traditions	<ul style="list-style-type: none"> * Revival of Italian cities * Universities and humanism * Artists and realism, Architecture * First printed books * Copernican Revolution 	<ul style="list-style-type: none"> * Sources * Renaissance * Changes occurred in Europe * Renaissance from Italy * Revival of Italian cities * Humanism and its features * Contributions of Arabs * Artist and Realism * Print technology * Condition of women * Protestant Reformation * Scientific Revolution
NOVEMBER	6. Displacing Indigenous People	<ul style="list-style-type: none"> * European Imperialism * The native peoples * Mutual perceptions * North America * Native people lose their land* Constitution rights * Australia 	<ul style="list-style-type: none"> * Sources * Geographical location of North America * Encounter of Europeans * Slavery system * Gold rush and the growth of industries * The winds of change
UNIT TEST II JANUARY 3 -10 (25 MARKS)			
DECEMBER/ JANUARY	7. Paths to Modernization	<ul style="list-style-type: none"> * Introduction, Japan, political System * Modernising the economy * Industrial workers * After Defeat reemerging as global power * China, Rise of communist party in China * Establishing new democracy * Taiwan and Korea 	<ul style="list-style-type: none"> * Japan - political system * Meiji Restoration * China * Establishing republic * The story of Korea - beginning of modernization * Two roads to modernisation
FINAL EXAMINATION FEBRUARY 17-28 (80 MARKS)			

BHARATIYA VIDYA BHAVAN, KOCHI

YEAR PLAN FOR THE ACADEMIC YEAR 2024-25

SUBJECT: HOME SCIENCE

CLASS: XI

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	<p>Chapter 1 Introduction to Home Science</p> <p>Chapter 2 - Understanding the Self.</p>	<p>1. Concept of Home Science 2. Field of Home Science 3. Relevance of study of Home Science and career options</p> <p>1. Who am I? 2. Development and Characteristics of the Self(Development characteristics and needs of adolescents) 3. Influences on Identity</p>	<p>1. Definition of Home Science 2. Branches - Food and Nutrition, Human Development, Textiles and Clothing, Resource Management, Community and Extension 3. Importance and scope 4. Multidisciplinary - Combination of Science and Art.</p> <p>1. Definition and characteristics of adolescent 2. Biological and physical changes, Socio-cultural context, Emotional changes, Cognitive changes</p>
JULY	<p>Chapter 3 - Food, Nutrition, Health and Fitness</p> <p>Chapter 4 - Management of Resources</p>	<p>1. Definitions 2. Using Basic food Groups for planning Balanced Diets 3. Dietary patterns in Adolescence</p> <p>1. Classification and characteristics of resources 2. Management Process</p>	<p>1. Definition of Food, Nutrition, Nutrients, Balanced diet, RDA 2. Food Pyramid 3. Factors influencing eating behaviour 4. Eating disorders - Anorexia Nervosa and Bulimia Nervosa</p> <p>1. Human and non-human resources 2. Process - Planning, Organising, Implementing, Controlling and Evaluation</p>
JULY	UNIT TEST 1- CHAPTERS 1,2 & 3		

AUGUST	Chapter 5- Fabric Around us	<ol style="list-style-type: none"> 1. Definitions 2. Classification of fibres 3. Yarn processing 4. Properties of fibre 5. Fabric production 6. Textile finish 	<ol style="list-style-type: none"> 1. Fibre, yarn 2. Length - staple, filament; Origin - natural and manmade 3. Spinning 4. Physical, thermal, chemical and biological. 5. Weaving, Knitting, felting, Braiding 6. Basic and special finishes
	Chapter 6 - Media and Communication Technology	<ol style="list-style-type: none"> 1. Definition 2. Classification 3. Functions of media 4. Classification of communication technology 	<ol style="list-style-type: none"> 1. Communication 2. Interpersonal and intrapersonal; Group and mass communication 3. Modern communication technologies
SEPTEMBER - OCTOBER	Chapter 7- Concerns and needs in diverse contexts	<ol style="list-style-type: none"> 1. Nutrition, Health and Hygiene 2. Resources Availability and Management 	<ol style="list-style-type: none"> 1. Dimensions and indicators of health 2. Factors affecting nutritional well being 3. Malnutrition, Hygiene and Sanitation 4. Time management 5. Space management
OCTOBER	TERM END EVALUATION - CHAPTERS 1,2,3,4,5&6		
NOVEMBER	Chapter 8 -Survival, Growth and Development	<ol style="list-style-type: none"> 1. Growth and development 2. Aspects of development 	<ol style="list-style-type: none"> 1. Difference and meaning of growth and development 2. Physical, Social, Emotional, Cognitive, Language and Motor Development
	Chapter 9 - Nutrition, Health and Wellbeing	<ol style="list-style-type: none"> 1. Nutrition, Health and Well-being during infancy (birth – 12 months) 2. Nutrition, Health and well-being of preschool children (1-6 years) 3. Nutrition, Health and well-being of school-age children (7-12 years) 	<ol style="list-style-type: none"> 1. Immunity, Immunization, importance of breast feeding, weaning,nutritional problems (0-1year) 2. Planning of balanced meal (1-6 years) 3. Diet planning and healthy habits (7-12 years)

DECEMBER	Chapter 10 - Our Apparel	<ol style="list-style-type: none"> 1. Clothing functions and the selection of clothes 2. Factors affecting selection of clothing in India 3. Understanding children"s basic clothing needs 4. Clothing requirements at different childhood stages 	<ol style="list-style-type: none"> 1. Modesty, Protection, Status and prestige,Adornment 2. Age, Climate and season, Occasion, Fashion, Income 3. Comfort, Safety, Self help, Appearance, Allowance for growth, Easy care, Fabrics 4. Infancy, Childhood, Adolescents, CWSN
	Chapter 11 - Health and Wellness	<ol style="list-style-type: none"> 1. Fitness and benefits of physical activity 2. Categories of exercises 3. Dimensions of wellness 4. Coping with stress 	<ol style="list-style-type: none"> 1. Exercise - Aerobic, strength building, flexibility 2. Dimensions of wellness - Social aspect, Physical aspect, Intellectual aspect, Occupational aspect, Emotional aspect, Spiritual aspect, Environmental aspect, Financial aspect, 3. Simple techniques to cope with stress - Relaxation, Talking with friends/family, Reading, Spirituality, Music, Hobby, Yoga
JANUARY	UNIT TEST 2- CHAPTERS 7,8,&9		
JANUARY	Chapter 12 - Financial Management and planning	<ol style="list-style-type: none"> 1. Types of family income 2. Expenditure 3. Budget making 4. Savings 5. Investment 6. Credit 	<ol style="list-style-type: none"> 1. Money, real and psychic income and factors affecting income. 2. Definition and factors affecting expenditure 3. Investment - Bank, PO, LIC,PF 4. Credit - 4Cs
	Chapter 13 - Care and Maintenance of fabrics	<ol style="list-style-type: none"> 1. Need for care of clothes 2. Laundering and storage of different types of clothes 3. Stain removal 4. Care label 	<ol style="list-style-type: none"> 1. Soaps and detergents, General rules for storage 2. Techniques and reagents for stain removal, Principles of stain removal 3. Washing instructions on care label
FEBRUARY	REVISION AND ANNUAL EXAMINATION		

**BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
INFORMATICS PRACTICES
YEAR PLAN FOR THE ACADEMIC YEAR 2024-25**

CLASS: XI

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	Unit: 2 Introduction to Python	Basics of Python programming, execution modes: - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operator, precedence of operators, data types, mutable and immutable data types, statements, expression evaluation. comments, input and output statements, data type conversion, debugging.	Python IDE, Python Tokens, Data types, Expressions, Statements, Input and Output, Debugging
JULY	Unit: 2 Introduction to Python	Control Statements: if-else, if-elif-else, while loop, for loop	Concept of conditional statement Concept of Iteration

UNIT TEST 1 (31/07/2024 - 07/08/2024)

TOPICS- Basics of Python programming, Selection statements(loops not included for the exam)

AUGUST	Unit: 2 Introduction to Python	Control Statements: for loop Lists: list operations - creating, initializing, traversing and manipulating lists	Concept of Iteration Concept of List
SEPTEMBER	Unit: 2 Introduction to Python	list methods and built-in functions – len(),list(),append(),insert(), count(),index(),remove(), pop(), reverse(), sort(), min(),max(),sum()	Concept of List
OCTOBER	Unit: 2 Introduction to Python	Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements. Dictionary: dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del(), clear()	Concepts of Dictionary : Key-value pair Concept of Dictionary methods and built-in functions.

TERM END EVALUATION (18/10/2024 - 30/10/2024)

TOPICS- Basics of Python programming, Control statements, Lists, Dictionary(built functions of dictionary are not included)

<p>NOVEMBER</p>	<p>Unit 1 Introduction to Computer System</p>	<p>Introduction to computer and computing: evolution of computing devices, components of a computer system and their interconnections, Input/output devices. Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns. Software: purpose and types – system and application software, generic and specific purpose software.</p>	<p>Concepts of Computer System</p>
<p>DECEMBER</p>	<p>Unit 3: Database concepts and the Structured Query Language</p>	<p>Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key, Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language Introduction to MySQL, creating a database using MySQL, Data Types Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER</p>	<p>Concept of Database and Structured query language, Data types in MySQL, SQL for data definition</p>

JANUARY	Unit 3: Database concepts and the Structured Query Language	Data Query: INSERT,SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: DELETE, UPDATE	Data insertion, Data Updation and Deletion
UNIT TEST 2 (03/01/2025 - 10/01/2025) TOPICS- Dictionary built in functions, Database concepts and the Structured Query Language , Introduction to creating database, creating tables, drop , alter)			
FEBRUARY	Unit 4: Introduction to the Emerging Trends	Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.	Artificial Intelligence,Big data and its characteristics,IOT, Cloud Computing and Cloud Services
FINAL EVALUATION (17/02/2025 - 28/02/2025) TOPICS- Introduction to Python programming, Database concepts and the Structured Query, Introduction to the emerging trends			

BHARATIYA VIDYA BHAVAN, KOCHI
POLITICAL SCIENCE (028)
YEAR PLAN 2024-2025

STD: XI

PART A: INDIAN CONSTITUTION AT WORK

Month	Topic	Sub - Topics	Concepts
June / July	1. Constitution - Why and How?	<p style="text-align: center;">Why do we need a Constitution? The authority of a Constitution, How was the Indian Constitution made?</p> <p style="text-align: center;">Provisions adapted from Constitutions of different countries</p>	<p>Constitution allows coordination and assurance, Specification of decision-making powers, Limitations on the powers of government, Aspirations and goals of a society Fundamental identity of a people Mode of promulgation ,The substantive provisions of a constitution, Balanced institutional design, Composition of the Constituent Assembly, Procedures Inheritance of the nationalist movement Institutional arrangements.</p>
	2. Rights in the Indian Constitution	<p style="text-align: center;">The importance of rights Fundamental rights in the Indian Constitution, Directive principles of state policy, Relationship between fundamental rights and directive principles.</p>	<p>Bill of Rights, Right to Equality, Right to Freedom , Right against Exploitation Right to Freedom of Religion, Cultural and Educational Rights, Right to Constitutional Remedies, What do the directive principles contain?</p>

Aug	3. Election and Representation (Activity)	Elections and democracy , Election system in India, Why did India adopt the FPTP system?, Reservation of constituencies, Free and fair elections, Electoral Reforms	First Past the Post System Proportional Representation Universal franchise and right to contest Independent Election Commission
UNIT TEST- 1 (JUL 31 – AUG7) (25 Marks)			
Sept / Oct	4. Executive	What is an executive? What are the different types of executives?, Parliamentary executive in India, Prime Minister and Council of ministers, Permanent Executive: Bureaucracy	Power and position of President Discretionary Powers of the President
TERM END EVALUATION (OCT 18 - OCT30) (80 Marks)			
Nov/Dec	5. Legislature	Why do we need a Parliament? Why do we need two houses of Parliament?, What does the Parliament do?, How does the Parliament make laws?, How does the Parliament control the executive? What do the committees of Parliament do? How does the Parliament regulate itself?	Rajya Sabha , Lok Sabha, Powers of Rajya Sabha , Special Powers of Rajya Sabha

	7. Federalism (Activity)	What is Federalism? Federalism in the Indian Constitution, Federalism with a strong central government, Conflicts in India's federal system , Special provisions	Division of Powers, Centre-State Relations Demands for Autonomy, Role of Governors and President's Rule, Demands for New States, Interstate Conflicts , Jammu and Kashmir
	6. Judiciary	Why do we need an independent judiciary? Structure of the Judiciary Jurisdiction of supreme Court, Judicial Activism, Judiciary and Rights , Judiciary and Parliament	Independence of Judiciary , Appointment of Judges , Removal of Judges , Original Jurisdiction , Writ Jurisdiction , Appellate Jurisdiction , Advisory Jurisdiction
UNIT TEST- II (JAN 3 – JAN 10) (25 Marks)			
Jan/ Feb	8. Local Governments	Growth of Local Government in India 73rd and 74th amendments 73rd Amendment, Elections, 74th Amendment, Implementation of 73rd and 74th Amendments	Local Governments in Independent India Three Tier Structure ,Reservations , Transfer of Subjects, State Election Commissioners State Finance Commission
FINAL EXAMINATION (FEB 17 - FEB 28) (80 Marks)			

PART B: POLITICAL THEORY

Month	Topic	Sub - Topics	Concepts
June / July	1. Political Theory : An Introduction	What is politics?	What do we study in political theory? Putting Political theory into practice Why should we study political theory?

UNIT TEST - 1 (JUL 31 – AUG 7) (25 Marks)

Aug	3. Equality	Why does equality matter? Three dimensions of equality Feminism, Socialism How can we promote equality?	Equality of opportunities Natural and Social Inequalities
Sept	2. Freedom	The Ideal of freedom The Harm Principle Negative and Positive liberty	The sources of Constraints-Why do we need constraints?
Oct	4. Social Justice (Activity)	What is Justice? Just distribution John Rawls Theory of Justice Pursuing Social Justice Free Markets versus State Intervention	Equal Treatment for Equals, Proportionate Justice , Recognition of Special Needs

TERM END EVALUATION (OCT 18 - 30) (80 Marks)

Nov/Dec	5. Rights (Activity)	What are Rights? Where do rights come from?	Legal rights and the state , Kinds of rights, Rights and responsibilities
	8. Secularism (Activity)	What is Secularism? Secular State, The western model of secularism, The Indian model of secularism, Criticisms of Indian secularism	Inter-religious Domination, Intra-religious Domination, Western Import, Minoritism, Interventionist, Vote Bank Politics

UNIT TEST - II (JAN 3 – JAN 10) (25 Marks)

Jan/ Feb	6. Citizenship	Introduction Full and equal membership Equal Rights	Citizen and Nation Universal Citizenship Global Citizenship
	7. Nationalism (Activity)	Introducing Nationalism Nations and Nationalism National self-determination Nationalism and Pluralism	Shared Beliefs, History, Shared National Identity

FINAL EXAMINATION (FEB 17 - 28) (80 Marks)

BHAVAN'S VIDYA MANDIR, ELAMAKKARA – DIVYA CLARANCE

**BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
COMPUTER SCIENCE
YEAR PLAN FOR THE ACADEMIC YEAR 2024-25**

CLASS: XI

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	Unit II: Computational Thinking and Programming - 1 (Getting Started with Python)	Getting Started with Python	Introduction to problem solving and basics of Python programming Different Types of data
JULY	Unit II: Computational Thinking and Programming - 1 (SEQUENTIAL,CONDITIONAL STATEMENTS)	Sequentail Staement and Conditional staements)	Decision making based on boolean values
UNIT TEST 1 -31/07/2024 (GETTING STARTED WITH PYTHON, SEQUENTIAL,CONDITIONAL STATEMENTS)			
AUGUST	Unit II: Computational Thinking and Programming - 1 (WHILE LOOP)	While Loop	Looping / repetition
SEPTEMBER	Unit II: Computational Thinking and Programming - 1 (FOR LOOP,LISTS)	For loop,List	Looping / repetition Introduction to List and List Operations - collection of heterogeneous objects - mutable data type
TERM END EVALUATION -18/10/2024 (GETTING STARTED WITH PYTHON, SEQUENTIAL,CONDITIONAL STATEMENTS,ITERATIVE STATEMENT,LISTS IN PYTHON)			
OCTOBER	Unit II: Computational Thinking and Programming - 1 (TUPLE,DICTIONARY)	Tuple Dictionary	Introduction to tuple and tuple operations - collection of heterogeneous data - immutable data type Introduction to dictionary and dictionary operations - mapping of key-value pair
NOVEMBER	Unit II: Computational Thinking and Programming - 1 (STRINGS)	Strings	String operations

DECEMBER	Unit 1: Computer Systems and Organisation	Boolean Logic, Number System	Components of Computer System, Processor fundamentals, Storage Concept of Boolean logic Concept of Data and Data
UNIT TEST 2 -03/01/2025 (TUPLE,DICTIONARY,STRING,BOOLEAN LOGIC, NUMBER SYSTEM)			
JANUARY	Unit 2: Computational Thinking and Programming - I Unit 3: Society, Law and Ethics	Python Modules Digital Footprint, Data protection, Malware	Digital Society, Etiquettes in digital society, Data Protection
FEBRUARY	Unit 3: Society, Law and Ethics	E-waste management	Environment Protection
FINAL EXAMINATION (17/02/2025)			
MARCH			

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

YEAR PLAN FOR THE ACADEMIC YEAR 2024-'25

STD : XI ARTIFICIAL INTELLIGENCE

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
June	PART B: Unit 1: Introduction: Artificial Intelligence for Everyone PART A:Unit 1 : Communication Skills-III PART B Unit 2: Unlocking your Future in AI:	Unit 1: Introduction To AI: What is AI? History of AI What is Machine Learning What is data? Terminology and Related Concepts What machine learning can and cannot do More examples of what machine learning can and cannot do Jobs in AI Unit 1 : Communication Skills-III: Session 1: Introduction to Communication Session 2: Verbal Communication Session 3: Non-verbal Communication Session 4: Pronunciation Basics Session 5: Communication Styles — Assertiveness Session 6: Saying No — Refusal Skills PART B Unit 2: Unlocking your Future in AI: • The Global Demand • Some Common Job Roles In AI • Essential Skills and Tools for Prospective AI Careers	Unit 1: Introduction To AI: Artificial Intelligence (AI) , Machine Learning (ML) and Deep Learning (DL) Unit 1 : Communication Skills-III: Types of communication, Communication styles Unit 2: Unlocking your Future in AI: • Common Job Roles In AI • AI Careers • Opportunities in AI

July	<p>PART B : UNIT 3 - PYTHON PROGRAMMING (Level 1)</p> <p>Level 1 : Basics of python programming, character sets, tokens, modes, operators, datatypes, Control Statements</p> <p>PART A: Unit 1 : Communication Skills-III</p>	<p>PART B Unit 2: AI Applications & Methodologies:</p> <p>Present day AI and Applications</p> <p>Key Fields of Application in AI</p> <p>Characteristics and types of AI</p> <p>Cognitive Computing (Perception, Learning, Reasoning)</p> <p>Recommended deep-dive in NLP, CV</p> <p>AI and Society</p> <p>The Future with AI, and AI in Action</p> <p>Non-technical explanation of deep learning</p> <p>PART A Unit 1 : Communication Skills-III</p> <p>Session 7: Writing Skills — Parts of Speech</p> <p>Session 8: Writing Skills — Sentences</p> <p>Session 9: Greetings and Introduction</p> <p>Session 10: Talking about Self</p> <p>Session 11: Asking Questions</p> <p>Session 12: Talking about Family</p> <p>Session 13: Describing Habits and Routines</p> <p>Session 14: Asking for Directions</p>	<p>Unit 2: AI Applications & Methodologies: AI applications, cognitive computing, Impact of AI on society</p> <p>Unit 1 : Communication Skills-III</p> <p>Writing skills, communication skills.</p> <p>UNIT 3 - PYTHON PROGRAMMING (Level 1)</p> <p>Level 1 : Basics of python programming, character sets, tokens, modes, operators, datatypes, Control Statements</p>
<p>"Unit Test I Starts: 31/07/2024</p> <p>Introduction To AI -</p> <p>Unlocking your Future in AI -</p> <p>Python Programming (Level 1) -</p> <p>Communication Skills-III -</p>			

<p>August</p>	<p>PART A: Unit 2 : Self-Management Skills-III PART B :UNIT 3 - PYTHON PROGRAMMING (Level 2) PART B: Unit 5: DATA LITERACY – DATA COLLECTION TO DATA ANALYSIS</p>	<p>Unit 2 : Self-Management Skills-III Session 1: Strength and Weakness Analysis Session 2: Grooming Session 3: Personal Hygiene Session 4: Team Work Session 5: Networking Skills Session 6: Self-motivation Session 7: Goal Setting Session 8: Time Management</p> <p>Unit 5: Data Literacy – Data Collection to Data Analysis</p> <ul style="list-style-type: none"> • What is Data Literacy? • Data Collection • Exploring Data • Statistical Analysis of data • Representation of data, Python Programs for Statistical Analysis and Data Visualization • Introduction to Matrices • Data Pre-processing • Data in Modelling and Evaluation 	<p>Unit 2 : Self-Management Skills-III Self Awareness, Importance of working in team</p> <p>UNIT 3 - PYTHON PROGRAMMING (Level 2)</p> <p>Unit 5: DATA LITERACY – DATA COLLECTION TO DATA ANALYSIS</p>
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September	<p>PART B: UNIT 8 – AI ETHICS AND VALUES</p> <p>PART A: Unit 3: Information and Communication Technology Skills-III</p>	<p>PART B: Unit 8: AI Values (Ethical Decision Making) AI: Issues, Concerns and Ethical Considerations</p> <p>PART A: Unit 3: Information and Communication Technology Skills-III Session 1: Introduction to ICT Session 2: Basic Interface of LibreOffice Writer Session 3: Saving, Closing, Opening and Printing Document Session 4: Formatting Text in a Word Document Session 5: Checking Spelling and Grammar Session 6: Inserting Lists, Tables, Pictures, and Shapes Session 7: Header, Footer and Page Number Session 8: Tracking Changes in LibreOffice Writer</p>	<p>Unit 8: AI Values (Ethical Decision Making) AI applications, Ethics , Bias , Jobs in AI age</p> <p>Unit 3: Information and Communication Technology Skills-III Basic operations in Libre Office Writer</p>
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"Term End Evaluation 1 Starts: 18/10/2024
Introduction To AI - 1
Unlocking your Future in AI .
Python Programming -
DATA LITERACY – DATA COLLECTION TO DATA ANALYSIS .
Communication Skills-III -
Self-Management Skills-III -

<p>October</p>	<p>PART B: Unit 5: INTRODUCTION TO CAPSTONE PROJECT(PRACTICAL only) - (Theory questions can be asked only for Annual exam) PART A: Unit 4 : : Entrepreneurial Skills-III</p>	<p>PART B: Unit 5: INTRODUCTION TO CAPSTONE PROJECT(PRACTICAL only) Design Thinking Empathy Map Sustainable Development Goals Capstone Project</p> <p>PART A: Unit 4 : Entrepreneurial Skills-III</p> <ul style="list-style-type: none"> • Session 1: Introduction to Entrepreneurship • Session 2: Values of an Entrepreneur • Session 3: Attitude of an Entrepreneur • Session 4: Thinking Like an Entrepreneur • Session 5: Coming Up with a Business Idea • Session 6: Understanding the Market • Session 7: Business Planning 	<p>PART B: Unit 5: INTRODUCTION TO CAPSTONE PROJECT(PRACTICAL only)</p> <p>Unit 4 : Entrepreneurial Skills-III Functions and qualities of an entrepreneur</p>
<p>November</p>	<p>PART B: UNIT 7 – LEVERAGING LINGUISTICS AND COMPUTER SCIENCE PART A: Unit 5 : Green Skills-III</p>	<p>PART B: UNIT 7 – LEVERAGING LINGUISTICS AND COMPUTER SCIENCE</p> <p>PART A: Unit 5 : Green Skills-III</p> <ul style="list-style-type: none"> • Session 1: Sectors of Green Economy • Session 2: Policies for a Green Economy • Session 3: Stakeholders in Green Economy • Session 4: Government and Private Agencies 	<p>PART B: UNIT 7 – LEVERAGING LINGUISTICS AND COMPUTER SCIENCE</p> <p>Unit 5 : Green Skills-III</p> <ul style="list-style-type: none"> • Green economy initiatives • Importance of green economy

December	PART B - UNIT 6 – MACHINE LEARNING ALGORITHMS	PART B: UNIT 6 – MACHINE LEARNING ALGORITHMS <ul style="list-style-type: none"> • Machine Learning in a nutshell • Types of Machine Learning • Supervised Learning • Understanding Correlation, Regression, Finding the line, Linear Regression algorithm 	UNIT 6 – MACHINE LEARNING ALGORITHMS
Unit Test II : 03/01/2024 Leveraging Linguistics and Computer Science - Green skills - Entrepreneurial Skills-III - Machine Learning Algorithms -			
February	Capstone Project / Practical and Revision Practical Exam (Before February 15)	Capstone Project / Practical and Revision Practical Exam (Before February 15)	Capstone Project / Practical and Revision Practical Exam (Before February 15)

"Final Examination : 17/02/2025

Communication Skills-III 2

Self-Management Skills-III 2

ICT Skills-III 2

Entrepreneurial Skills-III 2

Green Skills-III 2

Introduction: Artificial Intelligence for Everyone - 4

Unlocking your Future in AI

- - - - -

Python Programming -

Introduction to Capstone Project - 2

Data Literacy – Data Collection to Data Analysis - 4

Machine Learning Algorithms - 4

Leveraging Linguistics and Computer Science - 4

AI Ethics and Values - 4