

**BHARATIYA VIDYA BHAVAN, KOCHI**

**STD XI ENGLISH - YEAR PLAN FOR THE ACADEMIC YEAR 2023-24**

<b>MONTH</b>	<b>TOPIC / SUB-TOPIC</b>		<b>GRAMMAR</b>	<b>WRITING</b>
	<b>HORNBILL</b>	<b>SNAPSHOTS</b>		
<b>JUNE</b> (23 days)	L1. The Portrait of a Lady P1. A Photograph	L1. The Summer of the Beautiful White Horse	G1 Tenses	W1 Poster
<b>JULY</b> (22 days)	L2. We're Not Afraid to Die.... if We Can All Be Together P2. The Laburnum Top		G2. Sentence Reordering	
<b>AUGUST</b> (19 days)	L3. Discovering Tut: the Saga Continues (Not included for Mid Term Evaluation 1)			R1. Note Making W2. Speech
<b>MID TERM EVALUATION I ( 07/08/2023 - 11/08/2023)</b>				
<b>SEPTEMBER</b> (19 days)	P3. The Voice of the Rain	L2. The Address		W3. Advertisements (Classifieds) i. Situation Wanted/ vacant ii. For sale/ To Let
<b>TERM END EVALUATION ( 05/10/2023 - 13/10/2023)</b>				
<b>OCTOBER</b> (21 days)	P4. Childhood	L3. Mother's Day	G3. Clauses	
<b>NOVEMBER</b> (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
<b>DECEMBER</b> (18 days)	L4. The Adventure P5. Father to Son			W4. Debate
<b>MID TERM EVALUATION II ( 08/01/2024 - 12/01/2024)</b>				
<b>JANUARY</b> (22 days)	L5. Silk Road	L5. The Tale of Melon City	G4. Transformation of Sentences	
<b>FEBRUARY</b> (23 days)			<b>Revision</b>	
<b>FINAL EXAMINATION (19/02/2024 - 28/02/2024)</b>				

**BHARATIYA VIDYA BHAVAN .KOCHI KENDRA  
YEAR PLAN FOR THE ACADEMIC YEAR 2023-24**

**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 informationand 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 ,BusinessTransaction, 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
JUNE -JULY	Theory Base of Accounting	2.1 Generally Accepted Accounting Principles	Fundamental accounting assumptions:GAAP: Concept
		2.2 Basic Accounting Concepts	Business Entity, Money Measurement, Going Concern,Accounting Period, Cost Concept, DualAspect, Revenue Recognition, Matching, Full Disclosure. Consistency, Conservatism, Materiality and
		2.3 Systems of Accounting	Meaning
		2.4 Basis of Accounting	Cash basis and Accural 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.
<b>MID TERM EVALUATION AUGUST 7-11</b>			
AUGUST	Recording of Business Transactions	3.3 Rules of Debit andCredit.	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.
<b>TERM END EVALUATION OCTOBER 5-13</b>			
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)
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

- iii. General reserve
- iv. Specific reserve
- v. Secret Reserve
- Difference between capital and revenue reserve

**MID TERM EVALUATION JAN 8-12**

<b>JANUARY -FEBUARY</b>	<b>Financial Statements</b>	8.1 Preparation of financial statements without adjustment	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 adjustment	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
<b>FEBUARY</b>	<b>Accounts of Incomplete Records</b>	9.1 Incomplete Records	Features, reasons and limitations. Ascertainment of Profit/Loss by Statement of Affairs method. (excluding conversion method)

**REVISION**

**FINAL EXAMINATION FEB 19-28**



**BHARATIYA VIDYA BHAVAN, KOCHI KENDRA**

**YEAR PLAN FOR THE ACADEMIC YEAR 2023-24**

**CLASS XI - BUSINESS STUDIES**

<b>MONTH</b>	<b>TOPIC</b>	<b>SUB-TOPICS</b>	<b>CONCEPTS</b>
<b>JUNE</b>	<b>EVOLUTION AND FUNDAMENTALS OF BUSINESS</b>	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
<b>JUNE/JULY</b>	<b>FORMS OF BUSINESS ORGANISATION</b>	2.1 Introduction	Introduction
		2.2 Sole proprietorship	Concept, merits and limitation
		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
<b>MID TERM EVALUATION AUGUST 7 - 11 (25 MARKS)</b>			
<b>AUGUST</b>	<b>PUBLIC, PRIVATE AND GLOBAL ENTERPRISES</b>	3.1 Introduction	Introduction
		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.
<b>SEPTEMBER</b>	<b>BUSINESS SERVICES</b>	4.1 Introduction	Introduction
		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	Meaning.
		4.6 Communication services	Postal services- Mail, Registered post, parcel, speed post, courier.
<b>TERM END EVALUATION OCTOBER 5 - 13 (80 MARKS)</b>			
<b>OCTOBER</b>	<b>EMERGING MODES OF BUSINESS</b>	5.1 Introduction	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
	<b>SOCIAL RESPONSIBILITIES OF BUSINESS AND BUSINESS ETHICS</b>	6.1 Introduction	Introduction
		Responsibility	Concept
		responsibility	Case of social responsibility
		different interest groups	Social responsibility towards different interest groups
		protection	Role of business in environment protection
		6.6 Business Ethics	Concept and elements
		7.1 Introduction	Introduction
		significance of business finance	Meaning, nature and significance of business finance



NOVEMBER	SOURCES 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
DECEMBER	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	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
<b>MID TERM EVALUATION JANUARY 8 - 12 (25 MARKS)</b>			
JANUARY	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.
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



**BHARATIYA VIDYA BHAVAN, KOCHI**

**YEAR PLAN FOR THE ACADEMIC YEAR 2023-24**

**STD XI ECONOMICS**

<b>MONTH</b>	<b>TOPIC</b>	<b>SUB-TOPICS</b>	<b>CONCEPTS</b>
<b>JUNE</b>	<b>1. Introduction to Statistics</b>	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.
	<b>1. Introduction</b>	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 & Macro economics, Normative & Positive economics, Economy, Central problems, PPC, Opportunity cost
<b>JULY</b>	<b>2. Collection of data</b>	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.
	<b>2. Consumer's Equilibrium and Demand</b>	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
<b>Mid Term Evaluation-1 ( August 7th)</b>			
<b>AUGUST</b>	<b>3. Organization of data</b>	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.
	<b>2. Consumer's Equilibrium and Demand</b>	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 of price elasticity of demand – percentage-change method and total expenditure method.	Demand, Market demand, Demand schedule, Demand curve, Price elasticity
OCTOBER	5. Measures of central tendency:	Mean, Median & Mode	Mean (simple), Median and Mode
	3. Production	Meaning of Production Function – Short-Run and Long-Run Total Product, Average Product and Marginal Product. Returns to a Factor-	Production function, TP, AP, MP
	3. Producer Behaviour and Supply	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 elasticity of supply; measurement of price elasticity of supply - percentage-change method.	TR, AR, MR, TC, AC, MC, Price elasticity, Supply
NOVEMBER/ DECEMBER	6. Correlation	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
Term end evaluation-1 (5/10/2023)			



<b>Mid Term Evaluation-2 (8/1/2024)</b>			
<b>JANUARY</b>	<b>7. Introduction to Index numbers</b>	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.
	<b>4. Perfect Competition - Price Determination and simple applications.</b>	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.
<b>FEBRUARY</b>	<b>REVISION</b>		

**Final Examination (19/2/2024)**

**BHARATIYA VIDYA BHAVAN, KOCHI KENDRA****YEAR PLAN FOR THE ACADEMIC YEAR 2023-2024****STD XI - MATHEMATICS (041)**

<b>MONTH</b>	<b>UNIT</b>	<b>TOPIC</b>	<b>SUB TOPICS</b>	<b>CONCEPTS</b>
JUNE	1	<b>SETS</b>	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	<b>RELATIONS AND FUNCTIONS</b>	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	<b>COMPLEX NUMBERS &amp; QUADRATIC EQUATIONS</b>	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.
<b>MID TERM EVALUATION I (Chapters - 1, 2 &amp; 4)</b>				
AUGUST	8	<b>SEQUENCES AND SERIES</b>	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	<b>TRIGONOMETRIC FUNCTIONS</b>	Introduction Angles Trigonometric functions Trigonometric functions of sum and difference 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	<b>STATISTICS (NOT FOR TERM END EVALUATION)</b>	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
<b>TERM END EVALUATION (Chapters - 1, 2, 4, 8 &amp; 3)</b>				
OCTOBER	9	<b>STRAIGHT LINES</b>	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	<b>STRAIGHT LINES (CONTD)</b>	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	<b>INTRODUCTION TO THREE DIMENSIONAL GEOMETRY</b>	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	<b>PERMUTATIONS &amp; COMBINATIONS</b>	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	<b>BINOMIAL THEOREM</b>	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	<b>CONIC SECTIONS (NOT FOR MID TERM EVALUATION II)</b>	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.
<b>MID TERM EVALUATION II (Chapters - 13, 9, 11, 6 &amp; 7)</b>				
JANUARY	12	<b>LIMITS AND DERIVATIVES</b>	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	<b>LINEAR INEQUALITIES</b>	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	<b>PROBABILITY</b>	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.
<b>FINAL EXAMINATION</b>				

**BHARATIYA VIDYA BHAVAN, KOCHI**  
**STD XI- APPLIED MATHEMATICS (241)**  
**YEAR PLAN 2023 -24**

MONTH	UNIT	TOPIC	SUB-TOPIC	CONCEPTS
JUNE	2	ALGEBRA-SETS AND RELATIONS	Introduction to sets – definition, Representation of set, Types of sets and their notations, Subsets, Intervals, Venn diagrams, Operations on sets, Ordered pairs Cartesian product of two sets, Relations.	Definition of a Set, Examples and Non-examples of Set, Write elements of a set in Set Builder form and Roster Form , Convert a set given in Roster form into Set builder form and vice-versa, Types of Sets: Finite Set, Infinite Set, Empty Set, Singleton Set, Subset of a given set, Familiarity with terms like Superset, Improper subset, Universal set, Power set, Open interval, closed interval, semi open interval and semi closed interval, Venn diagrams as the pictorial representation of relationship between sets , Practical Problems based on Venn Diagrams Operations on sets – Union, Intersection, Difference, Complement, De Morgan’s laws, Ordered pair, order of elements in an ordered pair and equality of ordered pairs , Cartesian product of two non-empty sets, Definition of Relation, examples pertaining to relations in the real number system
JULY	2	ALGEBRA-SETS AND RELATIONS (contd...)		
JULY	2	ALGEBRA-SEQUENCE AND SERIES	Sequence and series, Arithmetic Progression, Geometric Progression, Applications of AP and GP	Sequence $a_1, a_2, a_3, \dots, a_n$ , Series $a_1 + a_2 + a_3 + \dots + a_n$ , General term of AP: $t_n = a + (n - 1)d$ , Sum of n terms of AP : $S_n = n / 2 [2a + (n - 1)d]$ ,AM of $a$ and $b = a+b / 2$ , General term of GP: $t_n = ar^{n-1}$ Sum of n terms of a GP: $S_n = a(r^n - 1) / r - 1$ ,Sum of infinite term of GP = $a / 1 - r$ , where $-1 < r < 1$ , Geometric mean of $a$ and $b = \sqrt{ab}$ , For two positive numbers $a$ and $b$ , $AM \geq GM$ i.e., $a+b / 2 \geq \sqrt{ab}$ , Applications based on Economy Stimulation , The Virus spread etc.



MID TERM 1 EXAMINATION (7/8/23 to 14/8/23)				
AUGUST	3	MATHEMATICAL AND LOGICAL REASONING	Logical reasoning	Odd man out, Syllogism, Blood relations, Coding Decoding
	1	NUMBERS, QUANTIFICATION & NUMERICAL APPLICATION	Binary Numbers, Indices, Logarithm and Antilogarithm, Laws and properties of logarithms, Simple applications of logarithm and antilogarithm, Averages, Clock, Calendar, Time, Work and Distance, Mensuration, Seating arrangement.	Definition of number system (decimal and binary), Conversion from decimal to binary system and vice – versa, Applications of rules of indices , Introduction of logarithm and antilogarithm , Common and Natural logarithm, Fundamental laws of logarithm , Express the problem in the form of an equation and apply logarithm/ antilogarithm, Definition and meaning , Problems on average, weighted average, Number of rotations of minute hand / hour hand of a clock in a day , Number of times minute hand and hour hand coincides in a day, Definition of odd days ,Odd days in a year/ century, Day corresponding to a given date, Basic concept of time and work, Problems on time taken / distance covered / work done, Comparison between 2D and 3D shapes ,Combination of solids ,Transforming one solid shape to another, Linear and circular seating arrangement ,Position of a person in a seating arrangement.
SEPTEMBER	1	NUMBERS, QUANTIFICATION & NUMERICAL APPLICATION (CONTD)		
	2	PERMUTATION & COMBINATIONS	Factorial, Fundamental Principle of Counting, Permutations, Combinations	Definition of factorial: $n! = n(n-1)(n-2)\dots 3.2.1$ , Usage of factorial in counting principles, Fundamental Principle of Addition , Fundamental Principle of Multiplication, Permutation as arrangement of objects in a definite order taken some or all at a time , Theorems under different conditions resulting in $nPr = \frac{n!}{(n-r)!}$ or $n r$ or $n!$

				$n1!n2!\dots nk!$ arrangements, The number of combinations of $n$ different objects taken $r$ at a time is given by $nCr = \frac{n!}{r!(n-r)!}$ Some results on combinations: $nC_0 = 1 = nC_n$ , $nCa = nCb \Rightarrow a=b$ or $a+b=n$ , $nCr = nC_{n-r}$ , $nCr + nCr-1 = n+1Cr$
TERM END EVALUATION (5/10/2023-16/10/2023 - PERMUTATION & COMBINATIONS NOT INCLUDED)				
OCTOBER	2	PERMUTATION & COMBINATIONS(CONTD)		
NOVEMBER	6	DESCRIPTIVE STATISTICS	Data Interpretation, Measure of Dispersion, Skewness and Kurtosis, Percentile rank and Quartile rank, Correlation	Mean deviation around mean and median, Standard deviation and variance, Examples of different kinds of data helping students to choose and compare different measures of dispersion, Examples of symmetrical and asymmetrical data, Visualization of graphical representation of data using Excel Spreadsheet or any other computer assisted tool, Emphasis on visualizing, analysing and interpreting percentile and quartile rank scores, Emphasis on application, analysis and interpreting the results of coefficient of correlation using practical examples.
	5	PROBABILITY	Introduction, Random experiment and sample space, Random experiment and sample space, Conditional Probability, Total Probability, Bayes' Theorem	Probability as quantitative measure of uncertainty, Use of probability in determining the insurance premium, weather forecasts etc, Sample space as set of all possible outcomes, Types of Event: Impossible and sure event, Independent and dependent event, mutually exclusive and exhaustive event, Conditional Probability of event $E$ given that $F$ has occurred is: $P(E F) = \frac{P(E \cap F)}{P(F)}$ , $P(F) \neq 0$ , Total Probability: Let $E_1, E_2, \dots, E_n$ be a partition of the sample space $S$ , then probability of an event $A$ associated with $S$ is: $P(A) = \sum P(E_j)P(A E_j)$ , Bayes' Theorem: If $E_1, E_2, \dots, E_n$ be $n$ non empty events which constitute a partition of a sample space $S$ and $A$ be any event with non-zero probability, then: $P(E_i   A) = \frac{P(E_i)P(A E_i)}{(\sum P(E_j)P(A E_j) \text{ } n \text{ } j=1)}$
DECEMBER	8	CO-ORDINATE GEOMETRY	Straight lines, Circle, Parabola,	Gradient of a line, Equation of line: Parallel to axes, point-slope form, two-points form, slope intercept form, intercept form,

	4	CALCULUS	<p>Functions, Domain and Range of a function, Types of functions, Graphical representation of functions, Concepts of limits and continuity of a function, Instantaneous rate of change, Differentiation as a process of finding derivative, Derivatives of algebraic functions using Chain Rule</p>	<p>Application of the straight line in demand curve related to economics problems, Circle as a locus of a point in a plane Equation of a circle in standard form, central form, diameter form and general form, Parabola as a locus of a point in a plane. Equation of a parabola in standard form: Focus, Directrix, Axis, Latus rectum, Eccentricity , Application in parabolic reflector, beam supported by wires at the end of the support, girder of a railway bridge, etc.</p> <p>Dependent variable and independent variable , Function as a rule or law that defines a relationship between one variable (the independent variable) and another variable (the dependent variable), Domain as a set of all values of independent variable , Co-domain as a set of all values of dependent variable , Range of a function as set of all possible resulting values of dependent variable, Following types of functions with definitions and characteristics Constant function, Identity function, Polynomial function, Rational function, Composite function, Logarithm function, Exponential function, Modulus function, Greatest integer function, Signum function, Algebraic function, Graph of some polynomial functions, Logarithm function, Exponential Function, Modulus function, Greatest integer function, Signum function, Left hand limit, Right hand limit, Limit of a function, Continuity of a function, The ratio <math>\Delta y / \Delta x = \frac{f(x+\Delta x) - f(x)}{\Delta x}</math> as instantaneous rate of change, where <math>\Delta y</math> is change in <math>y</math> and <math>\Delta x</math> is change in <math>x</math> at any instant, Derivatives of functions (non-trigonometric only), If <math>y = f(u)</math> where <math>u = g(x)</math> then differential coefficient of <math>y</math> w.r.t <math>x</math> is <math>dy / dx = dy / du \cdot du / dx</math></p>
JANUARY	4 7	CALCULUS (CONTD) FINANCIAL MATHS	<p>Interest and Interest Rates, Accumulation with simple and compound interest,</p>	<p>Impact of high interest rates and low interest rates on the business, Meaning and significance of simple and compound interest ,Compound interest rates applications on various financial products,</p>



		<p>Simple and compound interest rates with equivalency, Effective rate of interest, Present value, net present value and future value, Annuities, Calculating value of Regular Annuity, Simple applications of regular annuities (upto 3 period), Tax, calculation of tax, simple applications of tax calculation in Goods and service tax, Income Tax, Bills, tariff rates, fixed charge, surcharge, service charge, Calculation and interpretation of electricity bill, water supply bill and other supply bills</p>	<p>Concept of Equivalency ,Annual Equivalency Rate, Effective Annual Interest Rate = <math>(1 + i/n)^n - 1</math> where: i = Nominal Interest Rate n = No. of Periods, Formula for Present Value: <math>PV = CF/(1 + r)^n</math> Where: CF = Cash Flow in Future Period r = Periodic Rate of return or Interest (also called the discount rate or the required rate of return) n = no. of periods , Use of PVAF, FVAF tables for practical purposes ,Solve problems based on Application of net present value, Definition, Formulae and Examples, Examples of regular annuity: Mortgage Payment, Car Loan Payments, Leases, Rent Payment, Insurance payouts etc. Computation of income tax Add Income from Salary, house property, business or profession, capital gain, other sources, etc. Less deduction Assess the Individuals under Income Tax Act Formula for GST Different Tax heads under GSTs PF, PPF, LIC, Housing loan, FD, NSC etc., Tariff rates- its basis of determination Concept of fixed charge service charge and their applications in various sectors of Indian economy, Components of electricity bill/water supply and other supply bills: i) overcharging of electricity ii) water supply bills iii) units consumed in electricity bills.</p>
MID TERM 2 EXAMINATION (CALCULUS NOT INCLUDED) 8/1/24 TO 12/1/24			
FEBRUARY		REVISION	
ANNUAL EXAMINATION 19/2/24 TO 28/2/24			



August	<p>PART A: Unit 2 : Self-Management Skills-III</p> <p>PART B: Unit 3: Maths for AI (To be assessed through Practical only)</p>	<p><u>Unit 2 : Self-Management Skills-III</u></p> <p>Session 1: Strength and Weakness Analysis</p> <p>Session 2: Grooming</p> <p>Session 3: Personal Hygiene</p> <p>Session 4: Team Work</p> <p>Session 5: Networking Skills</p> <p>Session 6: Self-motivation</p> <p>Session 7: Goal Setting</p> <p>Session 8: Time Management</p> <p><u>Unit 3: Maths for AI</u></p> <p>Introduction to matrices (Recap)</p> <p>Introduction to set theory (Recap)</p> <p>Simple statistical concepts</p> <p>Visual representation of data, bar graph, histogram, frequency bins, scatter plots, etc.</p> <p>With co-ordinates and graphs introduction to dimensionality of data</p> <p>Simple linear equation</p>	<p><u>Unit 2 : Self-Management Skills-III</u></p> <p>Self Awareness, Importance of working in team</p> <p><u>Unit 3: Maths for AI</u></p> <p>Matrices, Statistics, Set theory, Data representations</p>
September	<p>PART B: Unit 4: AI Values (Ethical Decision Making)</p> <p>PART B: Unit 6: Critical &amp; Creative Thinking (To be assessed through Practical only)</p> <p>PART A: Unit 3: Information and Communication Technology Skills-III</p>	<p><u>PART B: Unit 4: AI Values (Ethical Decision Making)</u></p> <p>AI: Issues, Concerns and Ethical Considerations</p> <p><u>PART B: Unit 6: Critical &amp; Creative Thinking (To be assessed through Practical only)</u></p> <p>Design thinking framework</p> <p><u>PART A: Unit 3: Information and Communication Technology Skills-III</u></p> <p>Session 1: Introduction to ICT</p> <p>Session 2: Basic Interface of LibreOffice Writer</p> <p>Session 3: Saving, Closing, Opening and Printing Document</p> <p>Session 4: Formatting Text in a Word Document</p> <p>Session 5: Checking Spelling and Grammar</p> <p>Session 6: Inserting Lists, Tables, Pictures, and Shapes</p> <p>Session 7: Header, Footer and Page Number</p> <p>Session 8: Tracking Changes in LibreOffice Writer</p>	<p><u>Unit 4: AI Values (Ethical Decision Making)</u></p> <p>AI applications, Ethics , Bias , Jobs in AI age</p> <p><u>Unit 6: Critical &amp; Creative Thinking (To be assessed through Practical only)</u></p> <p>_Design Thinking framework, Prototype, Ideate</p> <p><u>Unit 3: Information and Communication Technology Skills-III</u></p> <p>Basic operations in Libre Office Writer</p>
<b>Term End Evaluation I : 5/10/23 to 13/10/23</b>			



October	<p>PART B: Unit 5: Introduction To Storytelling</p> <p>PART A: Unit 4 : Entrepreneurial Skills-III</p>	<p><u>PART B: Unit 5: Introduction To Storytelling</u></p> <ul style="list-style-type: none"> <li>• Storytelling: communication across the ages</li> <li>• The Need for Storytelling</li> <li>• Story telling with data</li> <li>• Conflict and Resolution</li> <li>• Storytelling for audience</li> <li>• Insights from storytelling</li> </ul> <p><u>PART A: Unit 4 : Entrepreneurial Skills-III</u></p> <ul style="list-style-type: none"> <li>• Session 1: Introduction to Entrepreneurship</li> <li>• Session 2: Values of an Entrepreneur</li> <li>• Session 3: Attitude of an Entrepreneur</li> <li>• Session 4: Thinking Like an Entrepreneur</li> <li>• Session 5: Coming Up with a Business Idea</li> <li>• Session 6: Understanding the Market</li> <li>• Session 7: Business Planning</li> </ul>	<p><u>Unit 5: Introduction To Storytelling</u></p> <p>Data visualisation and storytelling.</p> <p><u>Unit 4 : Entrepreneurial Skills-III</u></p> <p>Functions and qualities of an entrepreneur</p>
November	<p>PART B: Unit 8: Regression</p> <p>PART A: Unit 5 : Green Skills-III</p>	<p><u>PART B: Unit 8: Regression</u></p> <ul style="list-style-type: none"> <li>• Correlation and Regression</li> </ul> <p><u>PART A: Unit 5 : Green Skills-III</u></p> <ul style="list-style-type: none"> <li>• Session 1: Sectors of Green Economy</li> <li>• Session 2: Policies for a Green Economy</li> <li>• Session 3: Stakeholders in Green Economy</li> <li>• Session 4: Government and Private Agencies</li> </ul>	<p><u>Unit 8: Regression</u></p> <ul style="list-style-type: none"> <li>• Regression, Correlation, Pearson’s coefficient</li> </ul> <p><u>Unit 5 : Green Skills-III</u></p> <ul style="list-style-type: none"> <li>• Green economy initiatives</li> <li>• Importance of green economy</li> </ul>
December	<p>PART B: Unit 7: Data Analysis (Computational Thinking)(To be assessed through Practical only)</p> <p>PART A: Unit 9: Classification &amp; Clustering(To be assessed through Practical only)</p>	<p><u>PART B: Unit 7: Data Analysis (To be assessed through Practical only)</u></p> <ul style="list-style-type: none"> <li>• Types of structured data</li> <li>• Representation of data</li> <li>• Exploring Data</li> </ul> <p><u>PART A: Unit 9: Classification &amp; Clustering(To be assessed through Practical only)</u></p> <ul style="list-style-type: none"> <li>• What is a classification problem?</li> <li>• Introduction to binary classification with logistic regression</li> <li>• True positives, true negatives, false positives and false negatives</li> <li>• Practice exercise on simple Binary Classification model</li> </ul>	<p><u>Unit 7: Data Analysis (To be assessed through Practical only)</u></p> <p>Data Analysis, Structured Data, Statistical terms and concepts</p> <p><u>Unit 9: Classification &amp; Clustering(To be assessed through Practical only)</u></p> <ul style="list-style-type: none"> <li>• Machine learning and artificial intelligence.</li> <li>• Understanding of supervised and unsupervised learning and Regression Analysis.</li> <li>• Classification &amp; Clustering</li> <li>• Clustering algorithms in Machine learning</li> </ul>
Mid Evaluation II : 8/1/24 to 12/1/24			

January	<b>PART B: Unit 10: AI Values (Bias Awareness)</b> (To be assessed through Practical only)	<b><u>PART B: Unit 10: AI Values</u></b> <ul style="list-style-type: none"> <li>• AI working for good</li> <li>• Principles for ethical AI</li> <li>• Types of bias (personal /cultural/societal)</li> <li>• How bias influences AI based decisions</li> <li>• How data driven decisions can be debiased</li> <li>• Hands on exercise to Detect the Bias</li> </ul>	<b><u>Unit 10: AI Values</u></b> <ul style="list-style-type: none"> <li>• Data, Bias, Data Bias, Types of Bias</li> </ul>
<b>Final Examination: 19/2/24 to 28/2/24</b>			

<b>Name of the School</b>	<b>Name of the teacher(s)</b>	<b>Signature</b>
<b>1. BVM, ELAMAKKARA</b>	Bindhu T C	
<b>2. BVM, EROOR</b>	Aneesha M R	
<b>3. BVV, THRIKKAKARA</b>	Sindhu Gopakumar	
<b>4. BVM, GIRINAGAR</b>	Saritha Vijayachandran	
<b>5. BAV, KAKKANAD</b>	Vidya Mohan	
<b>6. BMV, TRIPUNITHURA</b>	Srilekshmi M	
<b>7. BNV, VELLOOR</b>	Shybee Thomas	

**BHARATIYA VIDYA BHAVAN, KOCHI****YEAR PLAN FOR THE ACADEMIC YEAR 2023-24****STD: XI****SUB: COMPUTER SCIENCE**

<b>MONTH</b>	<b>TOPIC</b>	<b>SUB-TOPICS</b>	<b>CONCEPTS</b>
<b>June</b>	<b>Unit II: Computational Thinking and Programming - 1</b>	Getting started with Python	Familiarization with the basics of Python programming, Knowledge of data types, Operators, Expressions, statement, type conversion & input/output, Errors
<b>July</b>	<b>Unit II: Computational Thinking and Programming - 2</b>	Flow of control	Flow of control, Conditional Statements
<b>August</b>	<b>Unit II: Computational Thinking and Programming - 3</b>	Flow of control	Iterative Statements (while loop only)
<b>Mid Term Evaluation - 1 (7.8.2023 to 11.8.2023)</b>			
<b>September</b>	<b>Unit II: Computational Thinking and Programming - 1</b>	Flow of control List	Iterative Statements (for loop) List
<b>October</b>	<b>Unit II: Computational Thinking and Programming - 1</b>	Tuple Dictionary	Tuple Dictionary
<b>Term End Evaluation (5.10.2023 to 13.10.2023)</b>			
<b>November</b>	<b>Unit II: Computational Thinking and Programming - 1</b>	<b>String</b>	String



<b>MONTH</b>	<b>TOPIC</b>	<b>SUB-TOPICS</b>	<b>CONCEPTS</b>
<b>December</b>	<b>Unit I: Computer Systems and Organisation</b>	<b>Basic Computer Organization Number System Boolean Algebra</b>	Basic Computer Organization Number System Boolean Algebra
<b>January &amp; February</b>	<b>Unit III: Society, Law and Ethics</b>	<b>Societal Impacts</b>	Societal Impacts
<b>Mid Term Evaluation - 2 (8.1.2023 to 12.1.2023)</b> <b>Final Examination (19.2.2023 to 28.2.2023)</b>			

**BHARATIYA VIDYA BHAVAN, KOCHI**  
**CLASS XI - INFORMATICS PRACTICES (065)**  
**YEAR PLAN (2023 -'24)**

MONTH	TOPIC	SUB TOPIC	CONCEPTS
June	Unit 2 <b>Introduction to Python</b>	Introduction to Python Programming – Basics of Python programming, Python interpreter - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operators, precedence of operators, data types, mutable and immutable data types, statements, expressions, evaluation of expressions, comments, input and output statements, data type conversion, debugging.	- Python IDE - Python Tokens - Data types - Expressions - Statements - Input and Output - Debugging
July	Unit 2 <b>Introduction to Python</b>	Introduction to Python Programming - Control Statements: if-else, if-elif-else, while loop	Concept of conditional statement Concept of Iteration
August	Unit 2 <b>Introduction to Python</b>	<b>Mid Term Evaluation I ( 7th Aug - 11th Aug)</b> Introduction to Python Programming - Control Statements : for loop	Concept of Iteration
September	Unit 2 <b>Introduction to Python</b>	Introduction to Python Programming - Lists: list operations - creating, initializing, traversing and manipulating lists, 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 <b>Introduction to Python</b> Unit 1 <b>Introduction to Computer System</b>	<b>Term End Evaluation (5th Oct – 13th Oct)</b> Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements. 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. <b>(Project)</b>	Concepts of Dictionary : Key-value pair

November	<p>Unit 2</p> <p><b>Introduction to Python</b></p> <p>Unit 3: <b>Database concepts and the Structured Query Language</b></p>	<p>Introduction to Python Programming - Dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del(), clear()</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.</p>	<p>Concept of Dictionary methods and built-in functions.</p> <p>Concept of Database and Structured query language</p>
December	<p>Unit 3: <b>Database concepts and the Structured Query Language</b></p>	<p>Introduction to MySQL, creating a database using MySQL, Data Types</p> <p>Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER</p> <p>Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL</p>	<p>Data types in MySQL</p> <p>SQL for data definition</p>
January	<p>Unit 3: <b>Database concepts and the Structured Query Language</b></p>	<p>Data Manipulation: INSERT, DELETE, UPDATE</p> <p><b>Mid Term Evaluation II (8th Jan to 12th Jan)</b></p>	<p>Data Updation and Deletion</p>
February	<p>Unit 4: <b>Introduction to the Emerging Trends</b></p>	<p>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.</p> <p>REVISION</p> <p><b>Final Examination (19th Feb - 28th Feb)</b></p>	<p>Artificial Intelligence, Big data and its characteristics, IOT, Cloud Computing and Cloud Services</p>

**BHARATIYA VIDYA BHAVAN ,KOCHI**

**YEAR PLAN FOR THE ACADEMIC YEAR 2023-24**

**SUBJECT: HOME SCIENCE**

**CLASS: XI**

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	Chapter 1 Introduction to Home Science	<ol style="list-style-type: none"> <li>1. Concept of Home Science</li> <li>2. Field of Home Science</li> <li>3. Relevance of study of Home Science and career options</li> </ol>	<ol style="list-style-type: none"> <li>1. Definition of Home Science</li> <li>2. Branches - Food and Nutrition, Human Development, Textiles and Clothing, Resource Management, Community and Extension</li> <li>3. Importance and scope</li> <li>4. Multidisciplinary - Combination of Science and Art.</li> </ol>
	Chapter 2 - Understanding the Self.	<ol style="list-style-type: none"> <li>1. Who am I?</li> <li>2. Development and Characteristics of the Self (Development characteristics and needs of adolescents)</li> <li>3. Influences on Identity</li> </ol>	<ol style="list-style-type: none"> <li>1. Definition and characteristics of adolescent</li> <li>2. Biological and physical changes, Socio-cultural context, Emotional changes, Cognitive changes</li> </ol>
JULY	Chapter 3 - Food, Nutrition, Health and Fitness	<ol style="list-style-type: none"> <li>1. Definitions</li> <li>2. Using Basic food Groups for planning Balanced Diets</li> <li>3. Dietary patterns in Adolescence</li> </ol>	<ol style="list-style-type: none"> <li>1. Definition of Food, Nutrition, Nutrients, Balanced diet, RDA</li> <li>2. Food Pyramid</li> <li>3. Factors influencing eating behaviour</li> <li>4. Eating disorders - Anorexia Nervosa and Bulimia Nervosa</li> </ol>
	Chapter 4 - Management of Resources	<ol style="list-style-type: none"> <li>1. Classification and characteristics of resources</li> <li>2. Management Process</li> </ol>	<ol style="list-style-type: none"> <li>1. Human and non-human resources</li> <li>2. Process - Planning, Organising, Implementing, Controlling and Evaluation</li> </ol>
AUGUST	<b>MID TERM EVALUATION 1- CHAPTERS 1,2,3&amp;4</b>		
AUGUST - SEPTEMBER	Chapter 5- Fabric Around us	<ol style="list-style-type: none"> <li>1. Definitions</li> <li>2. Classification of fibres</li> <li>3. Yarn processing</li> <li>4. Properties of fibre</li> <li>5. Fabric production</li> <li>6. Textile finish</li> </ol>	<ol style="list-style-type: none"> <li>1. Fibre, yarn</li> <li>2. Length - staple, filament; Origin - natural and manmade</li> <li>3. Spinning</li> <li>4. Physical, thermal, chemical and biological.</li> <li>5. Weaving, Knitting, felting, Braiding</li> <li>6. Basic and special finishes</li> </ol>
SEPTEMBER	Chapter 6 - Media and Communication Technology	<ol style="list-style-type: none"> <li>1. Definition</li> <li>2. Classification</li> <li>3. Functions of media</li> <li>4. Classification of communication technology</li> </ol>	<ol style="list-style-type: none"> <li>1. Communication</li> <li>2. Interpersonal and intrapersonal; Group and mass communication</li> <li>3. Modern communication technologies</li> </ol>
OCTOBER	<b>TERM END EVALUATION - CHAPTERS 1,2,3,4,5&amp;6</b>		
OCTOBER	Chapter 7- Concerns and needs in diverse contexts	<ol style="list-style-type: none"> <li>1. Nutrition, Health and Hygiene</li> <li>2. Resources Availability and Management</li> </ol>	<ol style="list-style-type: none"> <li>1. Dimensions and indicators of health</li> <li>2. Factors affecting nutritional well being</li> <li>3. Malnutrition, Hygiene and Sanitation</li> <li>4. Time management</li> <li>5. Space management</li> </ol>
NOVEMBER	Chapter 8 -Survival, Growth and Development	<ol style="list-style-type: none"> <li>1. Growth and development</li> <li>2. Aspects of development</li> </ol>	<ol style="list-style-type: none"> <li>1. Difference and meaning of growth and development</li> <li>2. Physical, Social, Emotional, Cognitive, Language and Motor Development</li> </ol>
	Chapter 9 - Nutrition, Health and Wellbeing	<ol style="list-style-type: none"> <li>1. Nutrition, Health and Well-being during infancy (birth – 12 months)</li> <li>2. Nutrition, Health and well-being of preschool children (1-6 years)</li> <li>3. Nutrition, Health and well-being of school-age children (7-12 years)</li> </ol>	<ol style="list-style-type: none"> <li>1. Immunity, Immunization, importance of breast feeding, weaning,nutritional problems (0-1year)</li> <li>2. Planning of balanced meal (1-6 years)</li> <li>3. Diet planning and healthy habits (7-12 years)</li> </ol>
DECEMBER	Chapter 10 - Our Apparel	<ol style="list-style-type: none"> <li>1. Clothing functions and the selection of clothes</li> <li>2. Factors affecting selection of clothing in India</li> <li>3. Understanding children’s basic clothing needs</li> <li>4. Clothing requirements at different childhood stages</li> </ol>	<ol style="list-style-type: none"> <li>1. Modesty, Protection, Status and prestige,Adornment</li> <li>2. Age, Climate and season, Occasion, Fashion, Income</li> <li>3. Comfort, Safety, Self help, Appearance, Allowance for growth, Easy care, Fabrics</li> <li>4. Infancy, Childhood, Adolescents, CWSN</li> </ol>
	Chapter 11 - Health and Wellness	<ol style="list-style-type: none"> <li>1. Fitness and benefits of physical activity</li> <li>2. Categories of exercises</li> <li>3. Dimensions of wellness</li> <li>4. Coping with stress</li> </ol>	<ol style="list-style-type: none"> <li>1. Exercise - Aerobic, strength building, flexibility</li> <li>2. Dimensions of wellness - Social aspect, Physical aspect, Intellectual aspect, Occupational aspect, Emotional aspect, Spiritual aspect, Environmental aspect, Financial aspect,</li> <li>3. Simple techniques to cope with stress - Relaxation, Talking with friends/family, Reading, Spirituality, Music, Hobby, Yoga</li> </ol>
JANUARY	<b>MID TERM EVALUATION 2- CHAPTERS 7,8,&amp;9</b>		
JANUARY	Chapter 12 - Financial Management and planning	<ol style="list-style-type: none"> <li>1. Types of family income</li> <li>2. Expenditure</li> <li>3. Budget making</li> <li>4. Savings</li> <li>5. Investment</li> <li>6. Credit</li> </ol>	<ol style="list-style-type: none"> <li>1. Money, real and psychic income and factors affecting income.</li> <li>2. Definition and factors affecting expenditure</li> <li>3. Investment - Bank, PO, LIC,PF</li> <li>4. Credit - 4Cs</li> </ol>
	Chapter 13 - Care and Maintenance of fabrics	<ol style="list-style-type: none"> <li>1. Need for care of clothes</li> <li>2. Laundering and storage of different types of clothes</li> <li>3. Stain removal</li> <li>4. Care label</li> </ol>	<ol style="list-style-type: none"> <li>1. Soaps and detergents, General rules for storage</li> <li>2. Techniques and reagents for stain removal, Principles of stain removal</li> <li>3. Washing instructions on care label</li> </ol>
FEBRUARY	<b>REVISION AND ANNUAL EXAMINATION</b>		