BHARATIYA VIDYA BHAVAN , KOCHI YEAR PLAN 2026-2027 STD XI ENGLISH				
MONTH	**MAIN TEXT**	**SUPPLEMENTARY READER**	**GRAMMAR**	**WRITING**
JUNE (23 days)	L1. The Portrait of a Lady P1. A Photograph	L1. The Summer of the Beautiful White Horse	G1. Tenses	W1. Poster
JULY (25 days)	P2. The Laburnum Top L2. We are not afraid to die...if we can be together **(NOT TO BE INCLUDED FOR UT1)** L3. Discovering Tut the Saga Continues. (**ONLY FOR GROUP ACTIVITY**)		G2. Reordering of sentences	W3. Advertisements (Classifieds) Situation Wanted/Vacant For sale/ To Let **(NOT TO BE INCLUDED FOR UT1)**
UNIT TEST I (27/07/2026 - 03/08/2026)				
AUGUST (16 days)	P3. The Voice of the Rain	L2. The Address		R1. Note Making W2. Speech
SEPTEMBER (22 days)	P4. Childhood	L4. Birth		
OCTOBER (22 days)		L3. Mother's Day **(NOT TO BE INCLUDED FOR TERM END EVALUATION)**	G3. If Clauses **(NOT TO BE INCLUDED FOR TERM END EVALUATION)**	
TERM END EVALUATION (28/9/2026- 9/10/2026)				
NOVEMBER (23 days)	L4.The Adventure P5.Father to Son		G4. Reordering of sentences	

DECEMBER (19 days)	L5. Silk Road **(NOT TO BE INCLUDED FOR UT 2)**			W3. Advertisements (Classifieds) Automobile Missing Lost and Found Educational Institution Travel and Tours
UNIT TEST II (14/12/2026 - 21/12/2026)				
JANUARY (21 days)		L5. The Tale of Melon City	G5. Transformation of sentences	Debate
FEBRUARY (22 days)	**REVISION**			
FINAL EXAMINATION (15/02/2027 -26/02/2027)				

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA				
YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027				
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 (RxRxR). 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.
UNIT TEST- I (JULY 27 -AUGUST 3) (Chapters - 1, 2 & 4)				
JULY	5	**LINEAR INEQUALITIES (NOT FOR UT1)**	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.
AUGUST	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±y) and cos (x±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), sinx + siny, sinx – siny, cos x+ cos y, cos x – cos y. Identities related to sin2x,cos2x,tan2x,sin3x,cos3x and tan3x.

SEPTEMBER	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.
TERM END EVALUATION (SEPT 28 – OCT 9) (Chapters - 1, 2, 3, 4, 5 & 8)				
OCTOBER	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.
OCTOBER	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.
NOVEMBER	9	**STRAIGHT LINES**	Introduction Slope of a Line Various forms of the equation of a line Distance of a point from a line	Brief recall of two dimensional geometry from earlier classes, Slope of a line and angle between two lines. 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.

NOVEMBER	11	**INTRODUCTION TO THREE DIMENSIONAL GEOMETRY**	Introduction Coordinate axes and coordinate planes in 3-demensional 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
NOVEMBER	10	**CONIC SECTIONS (NOT FOR UNIT TEST 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.
UNIT TEST- II (DEC 14 – DEC 21) (Chapters – 6,7, 9 & 11)				
DECEMBER	12	**LIMITS AND DERIVATIVES (NOT FOR UNIT TEST II)**	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. Limits of 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.

JANUARY	13	**STATISTICS**	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
JANUARY	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.
FEBRUARY	REVISION **FINAL EXAMINATION (FEB 15 – FEB 26)** **ALL CHAPTERS**			

BHARATIYA VIDYA BHAVAN, KOCHI

STD XI- APPLIED MATHEMATICS (241)

YEAR PLAN 2026 -27

MONTH	UNIT	TOPIC	SUB-TOPIC	CONCEPTS
JUNE	2	ALGEBRA-SETS AND RELATIONS	Set as a well-defined collection of objects. Representation of a set in Roster form and Set builder form ,Different types of sets on the basis of number of elements in the set , Differentiate between equal set and equivalent set Subsets , Power set and its elements , Universal Set , Subset of real numbers as intervals Concept of Venn diagram to understand the relationship between sets Problems using Venn diagram Operations on sets Significance of specific arrangement of elements in a pair Cartesian product of two sets	systematic development of set theory. , represent sets accurately using both roster form and set-builder form ,differentiate between the two methods of expressing the same set. all possible subsets of a given set, calculate the total number of subsets , power sets, construct the power set of a given set by identifying all its subsets , special sets -intervals which have wide utility in the study of analysis. set operations to solve problems in various fields, such as probability, and data analysis, problem-solving using Venn diagrams. operations on sets to solve practical problems ordered pairs, Cartesian product of two finite sets number of elements in a Cartesian product , relations as subsets of Cartesian products , domain and range of any relation .
			Expressing relation as a subset of Cartesian product , Domain and range of a relation	
JULY	2	ALGEBRA-SETS AND RELATIONS (contd…) ALGEBRA-SEQUENCE AND SERIES	Differentiate between sequence and series Arithmetic mean (AM) of two positive numbers Introduction of Geometric Progression (GP) , nth term of a GP , sum of n terms and sum of infinite terms of a GP , Problems based on applications of GP , Geometric mean (GM) of two positive numbers , Relation between AM and GM and related problems , Application problems based on AP and GP	Distinguish between sequences and series arithmetic mean (AM) of two positive numbers to find average values in real-life situations construct geometric progressions , Calculate geometric mean (GM) of two positive numbers, prove the AM-GM inequality relationship , arithmetic and geometric progressions- to solve real-world problems
UNIT TEST-1 (27/7/26 to 03/8/26) UNIT-2 (SETS AND RELATIONS,SEQUENCE AND SERIES)				
AUGUST	2	MATHEMATICAL AND LOGICAL REASONING	Logical problems involving odd man out, syllogism, blood relation and coding-decoding	Identify patterns and solve odd man out problems Draw valid conclusions using syllogism Decode blood relations and solve coding-decoding problems logical reasoning skills to real life decision-making situations

	1	NUMBERS, QUANTIFICATION & NUMERICAL APPLICATION	Binary Numbers, Indices, Logarithm and Antilogarithm, Laws and properties of logarithms, Simple applications of logarithm and antilogarithm, Clock, Calendar, Time and Work and Speed, distance and Time,Seating arrangement. Introduction To Bhartiya System of Numeration	Definition of number system (decimal and binary), relation between decimal and binary number system, convert from one system to another, application of Binary number system in programming, coding, machine learning etc. rules of indices to simplify expressions and solve problems involving powers , Define logarithms and antilogarithms as inverse operations, Distinguish between common logarithms and natural logarithms ,Apply logarithmic and antilogarithmic techniques to simplify complex calculations, and solve practical problems,Gain acquaintance with traditional way of expressing numbers
SEPTEMBER	1 4	NUMBERS, QUANTIFICATION & NUMERICAL APPLICATION (CONTD) PERMUTATION & COMBINATIONS	Factorial of a number , Fundamental Principle of Counting , Concept of Permutation ,Simple problems based on permutations Define combination Difference between permutation and combination ,	Factorials of numbers, how to count without counting, Define combination and differentiate it from permutation ,permutation and combination formulas strategically ,
TERM END EVALUATION -1 (28/09/2026-09/10/2026 - PERMUTATIONS & COMBINATIONS NOT INCLUDED)				

SETS AND RELATIONS,SEQUENCE AND SERIES,MATHEMATICAL AND LOGICAL REASONING,NUMBERS, QUANTIFICATION & NUMERICAL APPLICATION)				
OCTOBER	4	PERMUTATION & COMBINATIONS(contd)	Problems based on Combinations	Model complex counting situations using permutation and combination concepts.
NOVEMBER	5 4	DESCRIPTIVE STATISTICS PROBABILITY	Meaning of dispersion in a data set Range, mean deviation, standard deviation and variance Concept of Percentile rank Calculate and interpret Percentile rank of scores in a given ungrouped data set. Concept of Correlation, Karl Pearson’s coefficient of Correlation for ungrouped data ,Spearman’s Rank Correlation for ungrouped data Concept of Regression analysis, Dependent and Independent variables, Regression Coefficients, Regression Equations, Properties of Regression Equations	meaning of dispersion in a data set , Differentiate between range, mean deviation and standard deviation, Calculate range, range standard deviation and variance, and standard deviation for ungrouped and grouped data set, appropriate measure of dispersion to calculate spread of data. Percentile rank of scores in a given ungrouped data set. Relationships between variables by calculating and interpreting Karl Pearson's coefficient of correlation and Spearman's rank correlation coefficient for ungrouped data. Distinguish between correlation and regression analysis. Compute regression coefficients , Solve real-world problems by selecting and applying appropriate correlation or regression techniques.

			Random experiment and sample space with suitable examples , Event and its Types, Concept of Probability, Problems based on calculating probabilities in real life situations,Concept of conditional probability	Define random experiment and sample space with suitable examples Differentiate different types of events and find their probabilities , use of probability in daily life situations , solve problems based on conditional probability
DECEMBER	7	CO- ORDINATE GEOMETRY	Concept of slope of a line Various forms of equation of line Determination of equations of circle and parabola as a locus of a point in a plane under certain conditions Different form equations of a circle of Solve problems based on applications of circle Parabola	Gradient as the measure of steepness and calculate it using coordinates Apply various algebraic forms to represent lines in a Cartesian plane. Apply linear equations to model real world scenarios like demand and supply curves in economics. Define circles and parabolas as sets of points satisfying specific geometric conditions in a plane. solve equations of circles in standard, central, diameter, and general forms. properties of a parabola and express its standard form equation based on its focus and directrix. properties of circles to solve practical and coordinate-based mathematical problems
UNIT TEST-2 (COORDINATE GEOMETRY NOT INCLUDED) 14/12/26 TO 21/12/26) **(**PERMUTATION & COMBINATIONS,DESCRIPTIVE STATISTICS,PROBABILITY)				
DECEMBER	3	CALCULUS	Dependent and independent variables, Definition of function using dependent and	Define dependent and independent variables , Define and differentiate between domain, co-domain, and range of functions , Classify and define various types of functions ,Determine domain, co-domain, and range of given functions, Represent functions graphically on coordinate planes ,
			independent variable,Domain, range and co domain of a given function , Types of functions, Graphical representation of function Limit of a function Continuity of a function Instantaneous rate of change Finding the derivative of the functions Differentiation of addition, subtraction, multiplication and division of two or more functions Differentiation of a function of a function	Function concepts to solve real-life problems involving mapping relationships like student enrolment systems, profit-loss calculations, and designing input-output models for business. Define and understand the concept of limit of a function by analysing the behaviour of functions. Solve problems based on the algebra of limits. Define continuity of a function at a point and over an interval Define the derivative of a function and relate it to the slope of the tangent to a curve, fundamental rules of differentiation for sum, difference, product, and quotient of two or more functions, chain rule as the method for differentiating composite functions.
JANUARY	3 6	CALCULUS (CONTD..) BASICS OF FINANCIAL MATHEMATICS	Concept of Interest Rates Comparison between Nominal Interest Rate, Effective Rate and Real Interest Rate Practical applications of interest rate w.r.t simple and compound interest Concept of effective rate of interest	Interest rates , Differentiate between nominal interest rate, effective rate, and real interest rate , compare simple and compound interest , interest rate concepts to solve real-life financial problems , financial products and investment schemes, differentiate between immediate annuity, annuity due, and deferred annuity , future and present value of regular annuity and annuity due annuity concepts in real-life financial situations, concept of income tax and GST , income tax and GST liabilities using applicable tax brackets , Types of utility bills – Electricity and Water Bills , taxation and utility billing concepts to real-life situations.

			Meaning of Immediate Annuity, Annuity due and Deferred Annuity Future and present value of ordinary annuity, annuity due (up to 3 period) Concept of Anmuity in real life situations Concept of Income tax and GST w.r.t. tax new tax guidelines Utility bills and its various types – Electricity, Water and PNG Bills	
FEBRUARY	FINANCIAL MATHS (CONTD.…). REVISION			
FINAL EXAMINATION 15/2/27 TO 26/2/27				

BHARATIYA VIDYA BHAVAN, KOCHI
YEAR PLAN FOR THE YEAR 2026-2027
CLASS -XI
SUBJECT -CHEMISTRY

MONTH	TOPIC	SUB-TOPIC	CONCEPTS
JUNE	1.SOME BASIC CONCEPTS OF CHEMISTRY	General Introduction: Importance and scope of Chemistry. Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry.	Laws of chemical combination- law of conservation of mass, law of definite proportion, law of multiple proportion Avogadro's law, Gay Lussac's law of gaseous volumes Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, average atomic mass-mole concept and molar mass, percentage composition, empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry - concentration terms.
JUNE-JULY	2. STRUCTURE OF ATOM	Discovery of Electron, Proton and Neutron, atomic number,	Subatomic particles, atomic number, mass number, isotopes, Isobars, Nucleus, Electromagnetic theory of radiations, particle nature of radiation,

		isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations, Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship, Heisenberg uncertainty principle, concept of orbitals, quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.	black body radiations, photo electric effect, spectra, Bohr's postulates for hydrogen atom, negative energy of electron Dual nature of matter, orbits, orbitals, principal quantum number, azhimuthal quantum number, magnetic quantum number, spin quantum number, n + l rule, nodes, nodal planes, electronic configuration of atoms,ions, stable configurations.
UNIT TEST -I (JULY -27-AUGUST-3) **PORTIONS** **1.SOME BASIC CONCEPTS OF CHEMISTRY (13 marks)** **2.STRUCTURE OF ATOM (12 marks)** **Numericals -7 marks**			
JULY -AUGUST	3.CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES.	Significance of classification, brief history of the development of periodic table, modern periodic law and the present form of periodic table, periodic trends in properties of elements -	Doberenier's triads, Law of octaves, Mendeleev's law, Mendeleev's periodic table, Modern periodic law. Nomenclature of elements with atomic number greater than 100, Electronic configurations and types of elements-s, p, d, f blocks, Periodic trends in properties -Physical properties-atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Periodic trends in chemical properties -Periodicity

		atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100.	in valence or oxidation state, Anomalous properties of second period elements, Periodic trends in chemical reactivity.
AUGUST	s & p BLOCK ELEMENTS	s & p Block Elements Electronic configuration, atomic & Ionic radii, Ionization Enthalpy, Hydration Enthalpy and general trends in physical and chemical properties of s and p block elements across the periods and down the groups; unique behavior of the first element in each group	**NON-EVALUATIVE**
AUGUST - SEPTEMBER	4.CHEMICAL BONDING AND MOLECULAR STRUCTURE	Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure, polar character of covalent bond, covalent character of ionic bond, valence bond theory, resonance, geometry of covalent molecules, VSEPR theory, concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of	Valence bond,Lewis structure, Octet rule, limitations of octet rule, formal charge, ioinc bond, factors affecting ionic bond, lattice enthalpy, bond parameters-bond length, bond angle, bond energy, bond enthalpy, bond order, Resonance,canonical structures, resonance energy, resonance hybrid. Repulsion between electron pairs, shapes-linear, trigonal planar, tetrahedral, trigonal bipyramid, octahedral, bent, seessaw, square pryramidal, square planar, PE curve for the H_2 molecule formation, Non existence of He_2 molecule, Types of hybridisation sp,sp2,sp3,dsp2,d2sp3 ,atomic and molecular orbitals MO energy level diagram, Hydrogen bonding- definition, reason, consequences

		homonuclear diatomic molecules (qualitative idea only), Hydrogen bond.	
SEPTEMBER	GASEOUS STATE	Qualitatitive treatment of Gas laws-Ideal gas equation and deviations from it	**NON-EVALUATIVE**
OCTOBER - NOVEMBER	5.CHEMICAL THERMODYNAMICS	Concepts of System and types of systems, surroundings, work, heat, energy, extensive and intensive properties, state functions. First law of thermodynamics -internal energy and enthalpy, heat capacity and specific heat, measurement of ΔU and ΔH, Hess's law of constant heat summation,Enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Second law of Thermodynamics (brief introduction) Introduction of entropy as a state function, Gibb's energy change for spontaneous and nonspontaneous processes, criteria for equilibrium. Third law of thermodynamics (brief introduction).	System, Surrounding, Open,Closed, Isolated system, Surroundings, work, heat, energy, extensive and intensive properties, state functions, Reversible, Irrevrsible process, Isothermal, abdiabatic, isobaric, isochoric processes, First law of thermodynamics -internal energy and enthalpy, heat capacity and specific heat, measurement of ΔU and ΔH, Hess's law of constant heat summation Enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution.Entropy, Second law of Thermodynamics,Gibb's energy change for spontaneous and non- spontaneous processes, criteria for equilibrium. Third law of thermodynamics.

TERM END EVALUATION -I (SEPTEMBER 28-OCTOBER 9) **PORTIONS** **1.SOME BASIC CONCEPTS OF CHEMISTRY (15 marks)** **2.STRUCTURE OF ATOM(18 marks)** **3. CLASSIFICATION OF ELEMENTS AND PERIODICITY IN PROPERTIES.(17marks)** **4. CHEMICAL BONDING AND MOLECULAR STRUCTURE (20marks)** **Numericals -12 marks** **TOTAL=70 marks**			
NOVEMBER	6.EQUILIBRIUM	Equilibrium in physical and chemical processes, dynamic nature of equilibrium, law of mass action, equilibrium constant, factors affecting equilibrium - Le Chatelier's principle, ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, hydrolysis of salts (elementary idea),buffer solution, Henderson Equation, solubility product, common ion effect (with illustrative examples).	Reversible process, physical and chemical equilibrium, law of mass action, law of equilibrium, expression of equilibrium constant, characteristics of equilibrium constant, factors affecting equilibrium constant - pressure, temperature, concentration, presence of catalyst .Lechatelier's principle Electrolyte, strong and weak electrolyte, Ostwald's dilution law, degree of ionisation, poly basic acids, K_a value acid strength, pH, pOH, Pkw, hydrolysis of salts, buffer solution, buffer action, Henderson equation, solubility, solubility product, common ion effect

DECEMBER	7.REDOX REACTIONS	Concept of oxidation and reduction, redox reactions, oxidation number, balancing redox reactions, in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions	Concept of oxidation and reduction, redox reactions, oxidation number, types of redox reaction, balancing redox reactions,in terms of loss and gain of electrons and change in oxidation number, applications of redox reactions.
UNIT TEST -II (DECEMBER 14-21) **PORTIONS** **5.CHEMICAL THERMODYNAMICS-(12 marks)** **6.EQUILIBRIUM –(13 marks)** **Numericals -7 marks**			
JANUARY	8.ORGANIC CHEMISTRY - SOME BASIC PRINCIPLES AND TECHNIQUES	General introduction, methods of purification, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, electromeric effect, resonance and hyper conjugation. Homolytic and heterolytic fission of a covalent bond: free radicals, carbocations, carbanions, electrophiles and nucleophiles,	Tetravalency of carbon, classification of organic compounds, IUPAC naming, functional group, homologous series, inductive effect, electromeric effect, resonance and hyper conjugation or no bond resonance, Stabilty of cabocations, free radicals, classification of intermediates in to electrophiles and nucleophiles,Purification methods - crystallisation, sublimation, distillation, fractional distillation, distillation under reduced pressure, steam distillation, Lassaigne's test, Dumas method, Kjeldahl’s method.

		types of organic reactions.	
JANUARY	9.HYDROCARBONS	Classification of Hydrocarbons Aliphatic Hydrocarbons: Alkanes - Nomenclature, isomerism, conformation (ethane only), physical properties, chemical reactions including free radical mechanism of halogenation, combustion and pyrolysis. Alkenes - Nomenclature, structure of double bond (ethene), geometrical isomerism, physical properties, methods of preparation, chemical reactions: addition of hydrogen, halogen, water, hydrogen halides (Markovnikov's addition and peroxide effect), ozonolysis, oxidation, mechanism of electrophilic addition. Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods ofpreparation, chemical reactions: acidic	Hydrocarbons, classification of hydrocarbons, IUPAC nomenclature, physical and chemical properties, catalytic reduction,free radical halogenation, combustion, Reforming,aromatisation, pyrolysis, Markovnikov's law, peroxide effect, ozonlysis, polymerisation, acidic character of alkynes, addition reactions, resonance, aromaticity, Huckel's rule, electrophilic substitution, Arenium ion, adddtion reactions by benzene, directing influence, Carcinogenicity and toxicity

		character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water. Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic.	

ANNUAL EXAMINATION-70 marks

15/02/2027 TO 26/02/2027 (ALL PORTIONS :40% of TERM I & 60%)

1.Some basic concepts of chemistry - 6 marks

2.Structure of atom - 7 marks

3.Classification of elements and periodicity in properties- 7 marks

4. Chemical bonding and molecular structure - 8 marks

5.Chemical thermodynamics - 5 marks

6.Equilibrium- 6 marks

7.Redox reactions- 7 marks

8.Organic chemistry - Some basic principles and techniques - 11 marks

9. Hydrocarbons - 13 marks

BHARATIYA VIDYA BHAVAN, KOCHI			
YEAR PLAN -2026-2027			
STD :XI PHYSICS			
MONTH	**TOPIC**	**SUB-TOPICS**	**CONCEPTS**
JUNE	**CHAPTER 1- UNITS AND MEASUREMENT**	Need for measurement: significant figures. Dimensions of physical quantities	Need for measurement: Units of measurement; systems of units; SI units, fundamental and derived units. significant figures, Determining the uncertainty in result. Dimensions of physical quantities, dimensional analysis and its applications.
	CHAPTER 2- MOTION IN A STRAIGHT LINE	Describing motion, Relations for uniformly accelerated motion (graphical treatment). Instantaneous velocity	Frame of reference, Motion in a straight line, Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, average speed and average velocity and instantaneous velocity, uniformly accelerated motion, velocity - time and position-time graphs. Relations for uniformly accelerated motion (graphical and calculus treatment)

JULY	**CHAPTER 3- MOTION IN A PLANE**	Scalar and vector quantities; Vector operations Resolution of vectors Motion in a plane, cases of uniform velocity and uniform acceleration projectile motion uniform circular motion	Scalar and vector quantities,position and displacement vectors,general vectors and notations ,equality of vectors,multiplication of vectors by a real number,unit vector,Addition and subtraction of vectors,Resolution of a vector in a plane, rectangular components, Scalar and vector product of vectors, Motion in a plane,cases of uniform velocity and uniform acceleration, Projectile motion,Uniform circular motion.
	CHAPTER 4- LAWS OF MOTION(UPTO FRICTION)	Newton's first law of motion,Newton's second law of motion,Newton's third law of motion,conservation of linear momentum ,Equilibrium of concurrent forces	Intuitive concept of force, Inertia, Newton's first law of motion. Momentum and Newton's second law of motion; impulse.Newton's third law of motion. Law of conservation of linear momentum and its applications.Equilibrium of concurrent forces.
UNIT TEST 1 - July 27-Aug 3 UNITS AND MEASUREMENT(10 Marks), MOTION IN A STRAIGHT LINE (8 Marks), MOTION IN A PLANE UPTO 3.8(MOTION IN A PLANE WITH CONSTANT ACCELERATION included) (7 Marks).			

AUGUST	**LAWS OF MOTION (CONT..)**	Friction	Static and kinetic friction,laws of friction, rolling friction, lubrication. Dynamics of uniform circular motion:Centripetal force, examples of circular motion (vehicle on a level circular road, vehicle on a banked road).
	CHAPTER 5-WORK ENERGY AND POWER	Work Energy Collision	Work done by a constant force and a variable force ,kinetic energy, work-energy theorem,power,Notion of potential energy,potential energy of a spring, conservative forces: non-conservative forces, motion in a vertical circle. Elastic and inelastic collisions in one and two dimensions.

SEPTEMBER	**CHAPTER 6- SYSTEM OF PARTICLES AND ROTATIONAL MOTION**	Center of mass Moment of a force and angular momentum Equilibrium of rigid bodies Moment of inertia.	Centre of mass of a two-particle system, momentum conservation and Centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniform rod. Moment of a force, torque, angular momentum,law of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparison of linear and rotational motions. Moment of inertia, radius of gyration, values of moments of inertia for simple geometrical objects (no derivation).
TERM END EXAMINATION I -(sept28-Oct 9) UNITS AND MEASUREMENT(9 Marks), MOTION IN A STRAIGHT LINE (9 Marks), MOTION IN A PLANE (14 Marks), LAWS OF MOTION (12 Marks), WORK ENERGY AND POWER (12 Marks) & SYSTEM OF PARTICLES AND ROTATIONAL MOTION (14 Marks)			
OCTOBER	**CHAPTER-7 GRAVITATION**	Kepler's laws of planetary motion Universal law of gravitation Gravitational	Kepler's laws of planetary motion universal law of gravitation.Acceleration due to gravity and its variation with altitude and depth. Gravitational potential energy and gravitational potential

		potential energy Escape speed, orbital velocity of a satellite	Escape speed, orbital velocity of a satellite,Energy of an orbiting satellite.
	CHAPTER 8- MECHANICAL PROPERTIES OF SOLIDS	Elastic behaviour of solids, Modulus of Elasticity Elastic Energy	elasticity, Stress-strain relationship, Hooke's law,Young's modulus, bulk modulus, shear modulus of rigidity(qualitative idea only), Poisson's ratio; elastic energy,Application of elastic behavior of materials (qualitative idea only).
NOVEMBER	**CHAPTER 9- MECHANICAL PROPERTIES OF FLUIDS**	Pressure,Viscosity Surface tension, Capillary rise.	Pressure due to a fluid column; Pascal's law and its applications, (hydraulic lift and hydraulic brakes), Effect of gravity on fluid pressure. Bernoulli's theorem and its simple applications (Torricelli's law and Dynamic lift). Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity. Surface energy and surface tension, Angle of contact, excess of pressure across a curved surface, Application of surface tension, Ideas to drops, bubbles, Capillary rise
	CHAPTER 10 - THERMAL PROPERTIES OF	Heat ,heat transfer,	Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat

	MATTER	blackbody radiation	capacity; Cp, Cv - calorimetry; change of state - latent heat capacity.Heat transfer-conduction, convection and radiation, thermal conductivity,qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law .
	CHAPTER 13 - OSCILLATIONS	Periodic motion,simple harmonic motion energy in SHM	Periodic motion - time period, frequency, displacement as a function of time, periodic functions and their applications.Simple harmonic motion (S.H.M) uniform circular motion and its equations of motion;phase; oscillations of a loaded spring- restoring force and force constant;energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period.

DECEMBER	**CHAPTER 14- WAVES**	Wave motion,reflection of waves	Wave motion: Transverse and longitudinal waves, speed of travelling wave, displacement relation for a progressive wave, principle of superposition of waves, Reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.
UNIT TEST II (Dec 14-Dec 21) GRAVITATION(9 Marks), MECHANICAL PROPERTIES OF SOLIDS (6 Marks) & MECHANICAL PROPERTIES OF FLUIDS (including 9.5.1- Stokes' law)(10 Marks)			
JANUARY	**CHAPTER 11- THERMODYNAMICS**	Zeroth law ,first law,Second law and thermodynamical process.	Thermal equilibrium and definition of temperature, zeroth law of thermodynamics Heat, work and internal energy.First law of thermodynamics,Second law of Thermodynamics ,Thermodynamic state variable and equation of state,gaseous state of matter, change of condition of gaseous state - isothermal, adiabatic,reversible, irreversible, and cyclic processes.
	CHAPTER 12- KINETIC THEORY OF GASES	Equation of state of a perfect gas,Kinetic theory of gases,degrees	Equation of state of a perfect gas,work done in compressing a gas.Kinetic theory of gases assumptions, concept of pressure.Kinetic interpretation of temperature; rms speed of gas molecules; Degrees of freedom,Law of equi-

		of freedom	partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path,Avogadro's number.
FEBRUARY	**REVISION** **FINAL EXAMINATION (15Feb-26Feb)** **UNITS AND MEASUREMENT(5 Marks),** **MOTION IN A STRAIGHT LINE & MOTION IN A PLANE (8 Marks),** **LAWS OF MOTION (5 Marks), WORK ENERGY AND POWER (4 Marks),** **SYSTEM OF PARTICLES AND ROTATIONAL MOTION (6 Marks),** **GRAVITATION(5 Marks),** **MECHANICAL PROPERTIES OF SOLIDS & FLUIDS (9 Marks),** **THERMAL PROPERTIES OF MATTER & THERMODYNAMICS (7 Marks),** **KINETIC THEORY OF GASES (6 Marks), OSCILLATIONS & WAVES (15 Marks).**		

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA			
STD XI – BOTANY – YEAR PLAN			
2026-2027			
MONTH	**TOPIC**	**SUB TOPICS**	**CONCEPTS**
JUNE	1. THE LIVING WORLD 2.BIOLOGICAL CLASSIFICATION	1.1 Diversity in the living world 1.2 Taxonomic Categories 2.1 Kingdom Monera 2.2 Kingdom Protista 2.3 Kingdom Fungi	Characteristics of Living things. Taxonomic Hierarchy Binomial nomenclature. **Figure 1.1 and Table 1.1 to be included for evaluation.** Salient features of five kingdom classification Salient features of five major kingdom with examples.
JULY	2.BIOLOGICAL CLASSIFICATION CONTD ..... 3. PLANT KINGDOM	2.4 Kingdom Plantae 2.5 Kingdom Animalia 2.6 Viruses, Viroids,Prions and Lichens 3.1 Algae 3.2 Bryophytes 3.3 Pteridophytes	**Figure 2.2,2.3,2.4 (b&d), 2.6 (b) to be included for evaluation.** Salient features of plant kingdom. Salient features of various divisions of plant kingdom with examples. **Figure 3.1(a-i & b-ii), Table 3.1 and Figure (3.2 a,b&c) to be**

AUGUST	3. PLANT KINGDOM CONTD.... 5.MORPHOLOGY OF FLOWERING PLANTS. Description of one family Solanaceae (To be dealt along with the relevant experiments of the practical syllabus)	3.4 Gymnosperm 3.5 Angiosperms 5.1 The Root 5.2 The Stem 5.3 The Leaf 5.4 The Inflorescence 5.5 The Flower	Taproot , fibrous and adventitious root system. Region of the root, The stem, The leaf, parts of leaf, venation, Types of leaf, Phyllotaxy, The inflorescence. The flower, Parts of a flower, Androecium, Gynoecium.
UNIT TEST I Portions (JULY 27 th TO AUGUST 3rd) Living world , Biological classification , Plant Kingdom (up to 3.3 Pteridophytes included) CHAPTERS 1,2 & 3 (upto 3.3-included)			

SEPTEMBER	5.MORPHOLOGY OF FLOWERING PLANTS.CONTD..... 6.ANATOMY OF FLOWERING PLANTS.	5.6 The Fruit 5.7 The Seed 5.8 Semi-technical Description of a Typical Flowering Plant. 5.9 Solanaceae 6.1 The Tissue System	Parts of fruits Parthenocarpic fruit Structure of Monocotyledonous and Dicotyledonous seed Floral symbols , diagram and Floral formula Description of Vegetative and floral features of Plant Family - Solanaceae **Figure 5.3,Figure 5.4 (a), Figure 5.5(a&b), Figure 5.6(a,b&c), Figure 5.9, Figure 5.11(Diagrammatic representation only), Figure 5.12, 5.14, 5.15, 5.16&Figure 5.17 to be included for evaluation.** Epidermal tissue system Ground tissue system Vascular tissue system . **Figure 6.1,Figure 6.2(a,b&c) to be included for evaluation.**
OCTOBER	6.ANATOMY OF FLOWERING PLANTS.CONTD.. 10.CELL CYCLE AND CELL DIVISION.	6.2 Anatomy of Dicotyledonous and Monocotyledonous Plants. 10.1 Cell Cycle 10.2 M Phase 10.3 Significance of Mitosis	Dicotyledonous root, Monocotyledonous root, Dicotyledonous stem, Monocotyledonous stem, Dorsiventral leaf and Isobilateral leaf. Various stages of mitosis and its significance.

TERM END EVALUATION I [SEPTEMBER 28th TO OCTOBER 9th] Portions Living world , Biological classification , Plant Kingdom, Morphology of flowering plants. CHAPTERS 1,2,3 & 5			
NOVEMBER	10.CELL CYCLE AND CELL DIVISION.CONTD...	10.4 Meiosis 10.5 Significance of Meiosis	Various stages of meiosis and its significance. **Figure 10.1,10.2(a,b,c&d).Figure 10.3&10.4 to be included for evaluation**
	11. PHOTOSYNTHESIS IN HIGHER PLANTS.	11.1 What do we Know? 11.2 Early Experiments 11.3 Where does Photosynthesis take place? 11.4 How many Pigments are involved in Photosynthesis? 11.5 What is Light Reaction? 11.6 The Electron Transport	Early experiments in Photosynthesis. Structure of chloroplast. Action and Absorption spectrum in Photosynthesis. Light Reaction-Cyclic and Non

DECEMBER	11.PHOTOSYNTHESIS IN HIGHER PLANTS.CONTD... 12..RESPIRATION IN PLANTS	11.7 Where are the ATP and NADPH Used? 11.8 The C4 Pathway 11.9 Photorespiration 11.10 Factors affecting Photosynthesis 12.1 Do Plants Breathe? 12.2 Glycolysis 12.3 Fermentation 12.4 Aerobic Respiration	The Calvin cycle, Kranz Anatomy-C4 Pathway Photorespiration Factors affecting Photosynthesis-Law of limiting factors. **Figure 11.5,11.6,11.7,11.8,11.9&11.10 to be included for evaluation** Cellular respiration Steps of glycolysis. Major pathways of anaerobic respiration The citric acid cycle. Electron transport system and Oxidative Phosphorylation
DECEMBER	**UNIT TEST II [DECEMBER 14th TO DECEMBER 21st]** **PORTIONS CHAPTERS 6 &10 Anatomy of flowering plants and Cell cycle and Cell division**		
JANUARY	12..RESPIRATION IN PLANTS. CONTD... 13. PLANT GROWTH AND DEVELOPMENT.	12.5 The Respiratory Balance Sheet 12.6 Amphibolic Pathway 12.7 Respiratory Quotient 13.1 Growth 13.2 Differentiation, Dedifferentiation and Redifferentiation 13.3 Development	The Respiratory Balance Sheet Amphibolic Pathway Respiratory Quotient. **Figure 12.1,12.2,12.3,12.4,12.5&12.6 to be included for evaluation** Characteristics of growth. Phases of growth. Growth Rates. Conditions of Growth

FEBRUARY	13. PLANT GROWTH AND DEVELOPMENT CONTD...	13.4 Plant Growth Regulators	Characterstic and discovery of Plant growth regulators. Role of various Growth Regulators -Auxin,Gibberlin,Cytokinin,Ethylene and Abscissic acid **Figure 13.4,13.6,13.7,13.8&13.9 to be included for evaluation**
FINAL EXAMINATION [FEBRUARY 15 th TO FEBRUARY 26 th] FULL PORTIONS CHAPTERS 1,2,3,5,6,10,11,12&13			

BHARATIYA VIDYA BHAVAN, KOCHI
STD XI ZOOLOGY YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

MONTH	TOPIC	SUB TOPICS	CONCEPTS
JUNE	CHAPTER 4 ANIMAL KINGDOM	4.1 Levels of Organisation 4.2 Classification of animals 4.2.11Phylum Chordata	4.1.1 Levels of organisation 4.1.2 Symmetry 4.1.3 Diploblastic and Triploblastic organisation 4.1.4 Coelom 4.1.5 Segmantation 4.1.6 Notochord 4.2.3 Ctenophora 4.2.4 Platyhelminthes 4.2.5 Aschelminthes 4.2.6 Annelida 4.2.7 Arthropoda 4.2.8 Mollusca 4.2.9 Echinodermata 4.2.10 Hemichordata 4.2.11.(1,2,3) Class Pisces 4.2.11.4 Class Amphibia 4.2.11.5 Class Reptilia 4.2.11.6 Class Aves 4.2.11.7 Class Mammalia **FOR EVALUATION** **Fig 4.2,4.3,4.16 For Drawing** **Other Figures can be included for Identification Questions**
	CHAPTER 7 STRUCTURAL ORGANISATION IN ANIMALS	7.1 ORGAN AND ORGAN SYSTEM-FROG	7.2.1 Morphology
	CHAPTER 7 STRUCTURAL ORGANISATION IN ANIMALS Cont..	7.1 ORGAN AND ORGAN SYSTEM-FROG	7.2.2 Anatomy **Fig 7.2,7.3,7.4 For Identification and labelling only not for drawing**

JULY	CHAPTER 8 CELL- THE UNIT OF LIFE	What is a Cell? An overview Prokaryotic cells 8.5 Eukaryotic cells	Different parts of a cell. Differences between a prokaryotic and eukaryotic cell. Modification of cell theory by Rudolf Virchow. Cell Envelope and its Modifications. Ribosomes and Inclusion bodies 8.5.1 Cell Membrane **Fig 8.4 for evaluation** 8.5.2 Cell Wall 8.5.3 Endomembrane System 8.5.4 Mitochondria **Fig 8.7 for evaluation** 8.5.5 Plastids **Fig 8.8 for evaluation** 8.5.6 Ribosomes 8.5.7 Cytoskeleton 8.5.8 Cilia and Flagella 8.5.9 Centrosome and Centrioles 8.5.10 Nucleus **Fig 8.12, 8.13 for evaluation** 8.5.11 Microbodies
	CHAPTER 9 BIOMOLECULES Cont.....	9.1 How to Analyse Chemical Composition? **(For Evaluation- Page -106-lipids and nucleic**	Chemical composition of living tissues Primary and Secondary Metabolites
	UNIT TEST -I (July 27th - August 3rd) **CHAPTER 4 ANIMAL KINGDOM**		

AUGUST	CHAPTER 9 BIOMOLECULES Cont.....	9.3 Biomacromolecules 9.4 Proteins 9.5 Polysaccharides 9.6 Nucleic Acids 9.7 Structure of Proteins 9.8 Enzymes	Biomacromolecules and micromolecules Structure of proteins **Table 9.5 for Evaluation** Homo and hetero polysaccharides Fig 9.2 Not For Evaluation Nucleosides and Nucleotides Types of proteins **Fig 9.3 Not For Evaluation** 9.8 Enzymes 9.8.2 How do enzymes bring about such high rates of chemical conversions? **Fig 9.4 For Evaluation** 9.8.3 Nature of Enzyme action 9.8.4 Factors affecting Enzyme Activity **Fig 9.5 For Evaluation** 9.8.5 Classification and Nomenclature of Enzymes 9.8.6 Co factors.
	CHAPTER 14 BREATHING AND EXCHANGE OF GASES	Respiratory Organs and Human respiratory system. Mechanism of breathing , Respiratory Volumes and Capacities. Exchange and transport of Gases Regulation of Respiration Disorders of Respiratory System	Respiratory organs in animals **(recall only).** **14.1 Not For Evaluation** Structure of human respiratory system. Inspiration and Expiration. TV , IRV , ERV, RV, IC, EC , FRC , TLC Partial pressure of Oxygen , Carbondioxide and pressure gradient Transport of Oxygen Transport of Carbon dioxide **Fig 14.4 for labelling , 14.5 for evaluation** Role of respiratory rhythm centre Asthma , Emphysema and Occupational respiratory disorders.

SEPTEMBER	CHAPTER15-BODY FLUIDS AND CIRCULATION	15.1 Blood 15.2 Lymph 15.3 Circulatory Pathways 15.4 Double circulation 15.5 Regulation of Cardiac a 15.6 Disorders of circulatory	15.1.1 Plasma 15.1.2 Formed elements 15.1.3 Blood groups 15.1.4 Coagulation of blood 15.2 Formation and functions of lymph 15.3.1Human Circulatory system 15.3.2 Cardiac cycle 15.3.3 ECG Pulmonary circulation,Systemic circulation Neural and hormonal control High Blood Pressure,CAD,Angina,Heart failure
	CHAPTER -16-EXCRETORY PRODUCTS AND THEIR ELIMINATION	16.1 Human Excretory System	Structure of kidneys and nephron **Fig 16.2 for labelling**
	TERM END EVALUATION 1 (SEP 28th-OCT9th) CHAPTER 4 ANIMAL KINGDOM, 7 STRUCTURAL ORGANISATION IN ANIMALS, 8 CELL- THE UNIT OF LIFE AND 9 BIOMOLECULES		

DECEMBER	CHAPTER 18 - NEURAL CONTROL AND COORDINATION cond..	18.3.2 Transmission Of Impulses 18.4 Central Nervous System	Transmission Of Impulses 18.4.1 Forebrain 18.4.2 Midbrain 18.4.3 Hindbrain
	UNIT TEST II -DECEMBER (14 th - 21th) **CHAPTER- 14 BREATHING AND EXCHANGE OF GASES,** **CHAPTER15-BODY FLUIDS AND CIRCULATION**		
JANUARY	CHAPTER-19 CHEMICAL COORDINATION AND INTEGRATION	19.1Endocrine glands and hormone 19.2Human Endocrine System 19.4 Mechanism of Hormone action	Hormones Major endocrine glands - 19.2.1 Hypothalamus 19.2.2 Pituitary gland 19.2.3 Pineal gland 19.2.4 Thyroid gland 19.2.5 Parathyroid gland 19.2.7 Adrenal gland 19.2.8 Pancreas 19.2.9 Testis 19.2.10 Ovary Types of hormones,mechanism of action of protein and steroid hormones.
FEBRUARY	**REVISION** **FINAL EXAMINATION FEB 15th - 26th, FULL PORTIONS**		

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA INFORMATICS PRACTICES
YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027
COMPUTER SCIENCE (083)

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 , Operators, Expressions, Errors
JULY	Unit II: Computational Thinking and Programming - 1	Getting Started with Python -Flow of control (conditional statements)	Flow of control (conditional statements)
UNIT TEST I **27/07/2026 TO 03/08/2026** **[25 MARKS 80 MINUTES]**		**PORTIONS:** Introduction to problem solving and basics of Python programming Different Types of data , Operators, Expressions, Errors Flow of control (conditional statements)	**MARKING SCHEME:** Competency Focused Questions in the form of MCQs / Case Based Questions, Source-based Integrated Questions or any other type = **50% (12.5 MARKS)** Select response type questions (MCQ) = **20% (5 MARKS)** Constructed response questions = **30% (7.5 MARKS)** **(Short Answer Questions/Long Answer type Questions, as per existing pattern)**
AUGUST	Unit II: Computational Thinking and Programming - 1	Flow of control (Iterative statements), List	Iterative statements List
SEPTEMBER	Unit II: Computational Thinking and Programming - 1 (Tuple)	Tuple	Tuple

TERM END EXAMINATION 28/9/2026 TO 9/10/2026 [70 MARKS 3 HOURS]		**PORTIONS:** Introduction to Problem Solving, Basics of Python programming Different Types of data, Operators & Expressions, Errors Flow of control List, Tuple ,	**MARKING SCHEME:** Competency Focused Questions in the form of MCQs/ Case Based Questions, Source-based Integrated Questions or any other type = **50% (35 MARKS)** Select response type questions (MCQ) = **20%(14 MARKS)** Constructed response questions = **30% (21 MARKS)** **(Short Answer Questions/Long Answer type Questions, as per existing pattern)**
OCTOBER	Unit II: Computational Thinking and Programming - 1 (String)	String	String
NOVEMBER	Unit II: Computational Thinking and Programming - 1 (Dictionary)	Dictionary	Dictionary
UNIT TEST II 14/12/2026 TO 21/12/2026 [25 MARKS 80 MINUTES]		**PORTIONS :** Strings, Dictionary	**MARKING SCHEME:** Competency Focused Questions in the form of MCQs/ Case Based Questions, Source-based Integrated Questions or any other type = **50%(12.5 MARKS)** Select response type questions (MCQ) = **20%(5 MARKS)** Constructed response questions = **30% (7.5 MARKS)** **(Short Answer Questions/Long Answer type Questions, as per existing pattern)**
DECEMBER	Unit II: Computational Thinking and Programming - 1	Modules in Python	Python Modules
JANUARY	Unit 1 -Computer Systems and Organisation Unit 3- Society, Law and Ethics	Computer Systems and Organisation- Boolean logic & Number System , Society, Law and Ethics	Computer Systems and Organisation- Boolean Logic,Number system Society, Law and Ethics
FEBRUARY	**Revision and Practical Exam**		

FINAL EXAMINATION **15/02/2027 TO 26/02/2027** **[70 MARKS 3 HOURS]**	**PORTIONS :** Introduction to problem solving and basics of Python programming, Different Types of data, Operators, Expressions, Errors Flow of control, List, Tuple, Strings, Dictionary, Modules , Boolean logic & Number System , Society, Law and Ethics.	**MARKING SCHEME:** Competency Focused Questions in the form of MCQs/ Case Based Questions, Source-based Integrated Questions or any other type = **50% (35 MARKS)** Select response type questions (MCQ) = **20%(14 MARKS)** Constructed response questions = **30% (21 MARKS)** (Short Answer Questions/Long Answer type Questions, as per existing pattern)

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA
INFORMATICS PRACTICES(065)
YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027

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	Concept of conditional statement Concept of Iteration

UNIT TEST 1 (27/07/2026 - 03/08/2026) MARKS: 25
TOPICS- Basics of Python programming, Selection statements(loops not included for the exam)

MARKING SCHEME:
Competency Focused Questions in the form of MCQs/ Case Based Questions, Source-based Integrated Questions or any other type = 50% (12.5 MARKS)
Select response type questions (MCQ) = 20%(5 MARKS)
Constructed response questions = 30% (7.5 MARKS)
(Short Answer Questions/Long Answer type Questions, as per existing pattern)
Topic-wise mark distribution:
Basics of Python programming : 15 marks
Selection statements(loops not included for the exam): 10 marks

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 Concepts of Dictionary : Key-value pair

TERM END EVALUATION (28/9/2026 - 09/10/2026) MARKS: 70
TOPICS- Basics of Python programming, Control statements, Lists
MARKING SCHEME:
Competency Focused Questions in the form of MCQs/ Case Based Questions,
Source-based Integrated Questions or any other type = 50% (35 MARKS)
Select response type questions (MCQ) = 20%(14 MARKS)
Constructed response questions = 30% (21 MARKS)
(Short Answer Questions/Long Answer type Questions, as per existing pattern)
Topic-wise mark distribution :
Introduction to Python programming: 20 marks
Selection statement: 15 marks
Loops: 15 marks
List: 20 marks
(Mathematical programs such as Prime Number, Fibonacci Series, and Perfect Number can be excluded.)

OCTOBER	Unit: 2 Introduction to Python	Dictionary: concept of key-value pair, creating, initializing, traversing, Updating and deletingelements in a Dictionary Dictionary: dictionary methods and built-in functions – dict(), len(), keys(), values(), items(),update(), del(), clear()	Concept of Dictionary methods and built-in functions.
NOVEMBER	Unit 2: Introduction to Python	Introduction to NumPy: Introduction, Creation of 1-D NumPy Arrays from List 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	Concept of Numpy
	Unit 1 Introduction to Computer System	**(Not included for exam)** 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.	Concepts of Computer System

DECEMBER	Unit 3: Database concepts and the Structured Query Language	Introduction to MySQL, creating a database using MySQL, Data Types Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT (introduction)	Concept of Database and Structured query language,Data types in MySQL, SQL for data definition

UNIT TEST 2 (14/12/2026 - 21/12/2026) MARKS: 25

TOPICS- Dictionary built in functions, Introduction to NumPy, Database concepts and the Structured Query Language ,Introduction to creating database, creating tables, drop , alter) [Data Query- select excluded]

MARKING SCHEME:

Competency Focused Questions in the form of MCQs/ Case Based Questions,
Source-based Integrated Questions or any other type = 50% (12.5 MARKS)
Select response type questions (MCQ) = 20%(5 MARKS)
Constructed response questions = 30% (7.5 MARKS)
(Short Answer Questions/Long Answer type Questions, as per existing pattern)

Topic-wise mark distribution:

Dictionary - 11 marks
Introduction to NumPy - 2 marks
Database concepts - 7 marks
Structured Query Language - 5 marks

JANUARY	Unit 3: Database concepts and the Structured Query Language	Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: INSERT, DELETE, UPDATE	Data Insertion, Data Updation and Deletion
	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 EXAMINATION (15/02/2027 - 26/02/2027) MARKS : 70

TOPICS- Introduction to Python programming, Database concepts and the Structured Query, Introduction to the emerging trends

MARKING SCHEME:

Competency Focused Questions in the form of MCQs/ Case Based Questions,
Source-based Integrated Questions or any other type = 50% (35 MARKS)
Select response type questions (MCQ) = 20%(14 MARKS)
Constructed response questions = 30% (21 MARKS)
(Short Answer Questions/Long Answer type Questions, as per existing pattern)
Topic-wise mark distibution:
Introduction to Python programming: 30 marks
Database concepts and the Structured Query : 30 marks
Introcuction to the emerging trends : 10 marks

BHARATIYA VIDYA BHAVAN, KOCHI	
YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027 STD XI ECONOMICS	
MONTH	**TOPIC**
JUNE	1. Introduction to Statistics
	1. Introduction to Micro Economics
	2. Collection of data
JULY	2. Consumer's Equilibrium
	3. Organization of data
AUGUST	4. Demand
	4. Presentation of Data
SEPTEMBER	5. Measures of central tendency: mean (simple), median and mode
	5. Producer Behaviour and Supply (Cost, Revenue & Production Fn)
OCTOBER / NOVEMBER	6. Producer Behaviour and Supply (Producers equilibrium & SS)
NOVEMBER	6. Correlation
DECEMBER	7. Introduction to Index numbers
JANUARY	7. Perfect Competition - Price Determination and simple applications
FEBRUARY	REVISION / FINAL EXAM

Name of the Teacher	Name of the School	Signature

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA			
YEAR PLAN FOR THE ACADEMIC YEAR 2026-27			
CLASS XI-ACCOUNTANCY			
MONTH	**TOPIC**	**SUB-TOPICS**	**CONCEPTS**
JUNE	**Introduction to Accounting**	1.1Meaning of accounting	Accounting-concept, meaning, advantages and limitations, and 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 users.
		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**	2.1GenerallyAccepted 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
		2.5AccountingStandards	Applicability of Accounting Standards (AS) and Indian Accounting Standards (Ind AS)
		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- 27 JULY - 3 AUGUST			
AUGUST/ SEPTEMBER	**Recording of Business Transactions**	3.3 Rules of Debit and Credit.	TraditionalandModern Approach
		3.4 Books of Original Entry	Journal with GST
	Recording of Business Transactions	4.1Cash Book	Simple cash book, cashbook 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.
SEPTEMBER	**Recording of Business Transactions**	4.3 Ledger	Format, posting from journal and subsidiary books, Balancing of accounts
	Recording of Business Transactions	5.1Trial balance	Trial balance: objectives, meaning and preparation (Scope: Trial balance with balance method only)
TERM END EVALUATION - 28 SEPTEMBER - 9 OCTOBER			

OCTOBER	**Rectification of errors**	5.2 Rectification of Errors	Errors: classification errors of omission, commission, principles, and compensating; their effect on Trial Balance. Detection and rectification of errors Preparationofsuspense account.
OCTOBER/ NOVEMBER-	**Bank Reconciliation Statement**	6.1 Bank Reconciliation Statement	Need and preparation, Bank Reconciliation Statement
	Depreciation, Provisions and Reserves	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 recording 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 vi. Difference between capital and revenue reserve
UNIT TEST II - 14 DECEMBER - 21 DECEMBER			

DECEMBER/ JANUARY	**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.
JANUARY-FEBRUARY	**Accounts of Incomplete Records**	9.1 Incomplete Records	Features, reasons and limitations. Ascertainment of Profit/Loss by Statement of Affairs method (excluding conversion method)
FEBRUARY	**REVISION**		
FINAL EXAMINATION- 15 FEBRUARY TO 26 FEBRUARY			

BHARATIYA VIDYA BHAVAN, KOCHI KENDRA

YEAR PLAN FOR THE ACADEMIC YEAR 2026-27

CLASS XI - BUSINESS STUDIES (054)

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
JUNE	NATURE AND PURPOSE 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, concept of business, profession and employment. comparison of business, profession and employment.
		1.3 Classification of business activities	Industry and commerce, Industry- types: Primary, secondary, tertiary: Meaning and subgroups , Commerce -role of 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 2.6.1 Formation of 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
UNIT TEST - I (25 MARKS) JULY 27-AUGUST 3			
	PRIVATE, PUBLIC AND GLOBAL ENTERPRISE	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.

AUGUST		3.6 Joint Ventures	Meaning and features.
		3.7 Public,Private partnership	Meaning and features.
AUGUST	BUSINESS SERVICES	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- savings, current, recurring, fixed deposit and mutiple option deposit account, banking services - Bank Draft, Bank overdraft, cash credit, E- banking: meaning, types of digital payments
		4.5 Insurance	Principles and types- Life, Health, Fire and Marine - Concept
		4.6 postal services	Postal services- Mail,Registered post, parcel, speed post, courier.- Meaning
AUGUST/ SEPTEMBER	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 responsibilty
		6.4 Social responsibilty towards different interest groups	Social responsibilty towards different interest groups- owners, investors, consumers, employees, government and community
		6.5 Business and environmental protection	Role of business in environment protection
		6.6 Business Ethics	Concept and elements
TERM END EVALUATION (MARKS 80) SEPTEMBER 28- OCTOBER 9			
SEPTEMBER/OCTOBER	EMERGING MODES OF BUSINESS	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
OTOBER /NOVEMBER	SOURCES OF BUSINESS FINANCE	7.1 Introduction	Introduction
		7.2 Meaning, nature and significance of business finance	Meaning, nature and importance 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
ECEMBER		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- Concept
		8.2 Small scale enterprises	Meaning,MSMED Act 2006 (Micro, Small and Medium Enterprise Development Act)

NOVEMBER /D	SMALL BUSINESS AND ENTERPRISES		
		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
UNIT TEST - 2 (25 MARKS) DECEMBER 14-21			
DECEMBER/ 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
FINAL EVALUATION (80 MARKS) FEBRUARY 15-26			

BHARATIYA VIDYA BHAVAN, KOCHI
STD XI -HISTORY
YEAR PLAN FOR THE ACADEMIC YEAR 2026-2027

MONTH	TOPIC	SUB TOPIC	CONCEPTS
JUNE	**1. Writing and City Life**	* 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	*Origin of the term Mesopotamia * Society and geography * Occupation of the people * Movement of goods into cities * Uses of writing and literacy * Life in Ur and Mari * Contributions of Mesopotamia
JULY	**2. An Empire Across Three Continents**	* The early empire * The third century crisis * Gender, literacy, culture * Social hierarchies * Late antiquity	* Sources * Roman and Iranian Empire * Pillars of Roman Empire * Succession to the throne * Administration of the empire - urbanisation * Structure of family * Economic activities * Monetary system and bueaucracy
UNIT TEST 1 JULY 27 - AUGUST 3 (25 marks)			

AUG	**3. Nomadic Empires**	* 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	* 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
SEP	**4. The Three Orders**	* Introduction to feudalism Second order * Knights * First order * Factors affecting social and economic relations * New agricultural technology * A fourth order * Crises of fourteenth century	* 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 SEPTEMBER 28 - OCTOBER 9 (80 marks)			

OCT	**5. Changing Cultural Traditions**	* Revival of Italian cities * Universities and humanism * Artists and realism * Architecture * First printed books * Copernican Revolution	* Sources * Renaissance * Changes occured 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
NOV / DEC	**6. Displacing Indigenous People**	*European Imperialism * The native peoples * Mutual perceptions * North America *Native people lose their land * Constitution rights * Australia	* Sources * Geographical location of North America * Encounter of Europeans * Slavery system * Gold rush and the growth of industries * The winds of change
UNIT TEST 2 DECEMBER 14 - 21 (25 marks)			

JAN	**7. Paths To Modernisation**	* Introduction * Japan - political System * Meiji Restoration * Modernising the economy * Industrial workers * After Defeat reemerging as global power * China - Rise of communist party in China * Establishing new democracy	* Japan - political system * Meiji Restoration * China * Establishing republic

FINAL EXAMINATION FEB 15 - 26 (80 marks)

PORTIONS FOR THE EXAMINATION 2026 - 2027

PORTIONS FOR FIRST UNIT TEST JULY 27 - AUGUST 3 (25 MARKS)

1. Writing and City Life
2. An Empire Across Three Continents

PORTIONS FOR TERM END EVALUATION SEPTEMBER 28 - OCTOBER 9 (80 MARKS)

1. Writing and City Life
2. An Empire Across Three Continents
3. Nomadic Empires
4. The Three Orders

Map - 5 Marks

PORTIONS FOR SECOND UNIT TEST DECEMBER 14 - 21 (25 MARKS)

5. Changing Cultural Traditions
6. Displacing Indigenous Peoples

PORTIONS FOR FINAL EXAMINATION FEB 15 - 26 (80 MARKS)

1. Writing and City Life
2. An Empire Across Three Continents
3. Nomadic Empires
4. The Three Orders
5. Changing Cultural Traditions
6. Displacing Indigenous Peoples
7. Paths to Modernisation

Map - 5 Marks

MAP WORK

1. Writing and City Life	Ur, Uruk, Mari, Babylon, Iran, Iraq, Syria, River Euphrates, River Tigris
2. An Empire Across Three Continents	Rome, Constantinople, Alexandria, Antioch, Carthage, River Rhine, River Danube, Mediterranean
3. Nomadic Empires	Karakoram, Tibet, Samarkhand, Nishspur, Bukhara, Bagdad, Moscow, Black Sea
6. Displacing Indigenous People	Australia - Darwin, Perth, Adelaide, Sydney, Canberra, Melbourne
7. Paths to Modernisation	Japan - Hokkaido, Honsu, Tokyo, Kyoto, Shikoku, Hiroshima, Kyushu, Nagasaki China - Peking, Shangai, Huang He River, Yangtze River

Physical Education
Year plan-class XI -2026-2027

June	• Physical fitness exercise • Training for Sports and games • Selection for annual sports day • BMI • March past • HPE Activity
July	• HPE Fitness assessment • External competitions, • Intramural competitions. • Training of physical fitness and various sports and games BMI • Inter class competition. • March past • Selection for annual sports day
August	• March past training • Selection for Annual sports meet • Training for external competitions • Major games • Inter house competition • HPE Fitness assessment • HPC Activity
September	• Organizing sports day • Training for external competition • Intramural competitions • Inter class competition • HPE Fitness assessment • Practice session for major sports and games
October	• General fitness exercises. • Training for various sports and games. • HPE Fitness assessment. • Inter house and Inter class competition.
November	• General fitness exercise. • Inter house and inter class competition. • HPE Fitness assessment. • Practice for various sports and games .
December	• HPE Fitness assessment • general fitness exercise • Practice for various games and sports • Intramural and inter class competition

January	• BMI • General fitness exercise • Assessment and grading

BHAVAN'S VIDYA MANDIR
KOCHI
682 306
EROOR WEST

PARVATHY E.
PRINCIPAL
BHAVAN'S VIDYA MANDIR
EROOR P.O, THRIPUNITHURA
KOCHI - 682 306

BHARATIYA VIDYA BHAVAN, KOCHI			
YEAR PLAN FOR THE ACADEMIC YEAR 2026-27			
Subject:PSYCHOLOGY (037)			
Class: XI			
MONTH	**TOPIC**	**SUB-TOPICS**	**CONCEPTS**
JUNE	**Chapter 1 Understanding Psychology**	What is psychology? Understanding mind and behaviour Popular notion about the discipline of psychology. Evolution of psychology Development of psychology in India Branches of psychology Psychology and other disciplines Psychology in every day life	Psychology as a discipline. Psychology as a natural science. Psychology as a social science.
JULY	**Chapter 2 Methods of Enquiry in Psychology**	Goals of psychological enquiry, Nature of psychological data, some important methods in psychology,Analysis of Data, Limitations of Psychological Enquiry, Ethical Issues	Steps in conducting psychological research, Observational Method Experimental Method Correlational Research Survey Research Psychological Testing Case Study Quantitative Method , Qualitative Method
	UNIT TEST- 1	**25 marks**	**27-07-26 to 03-08-2026**
AUGUST	**Chapter 3 Human Development**	Meaning of Development Factors Influencing Development Context of Development Stages of human development	Life-Span Perspective on Development,Prenatal Stage Infancy,Childhood,Challenges of Adolescence,Adulthood and Old Age
SEPTEMBER	**Chapter 4 Sensory, Attentional and Perceptual Processes**	Knowing the world,Nature and varieties of Stimulus,Sense Modalities,Attentional Processes,Perceptual Processes,The Perceiver, Principles of Perceptual Organisation,Perceptual Constancies,Illusions, Socio-Cultural Influences on Perception	Functional limitation of sense organs, Selective Attention, Sustained Attention,Processing Approaches in Perception, Monocular Cues and Binocular Cues
	TERM END EVALUATION	**70 marks**	**28-09-26 to 9.10.2026**
OCTOBER	**Chapter 5 Learning**	Nature of Learning, Paradigms of Learning, Classical Conditioning, Operant/Instrumental Conditioning,Observational Learning, Cognitive Learning, Verbal Learning,Skill Learning, Factors Facilitating Learning,Learning Disabilities	Determinants of Classical Conditioning, Determinants of Operant Conditioning Key Learning Processes

NOVEMBER	**Chapter 6** **Human Memory**	Information Processing Approach Memory Systems ,Levels of Processing, Types of Long-term Memory, Nature and Causes of Forgetting, Enhancing Memory	The Stage Model Memory Systems : Sensory, Short-term and Long term Memories, Declarative and Procedural; Episodic and Semantic, Forgetting due to Trace Decay, Interference and Retrieval Failure, Mnemonics using Images and Organisation
DECEMBER	**Chapter 7** **Thinking**	Nature of Thinking, The Processes of Thinking, Problem Solving, Reasoning, Decision-making, Nature and Process of Creative Thinking, Thought and Language, Development of Language and Language Use	Building Blocks of Thought,Nature of Creative Thinking Process of Creative Thinking
	UNIT TEST-2	**25 marks**	**14.12.2026 to 21.12.2026**
JANUARY	**Chapter 8** **Motivation and Emotion**	Nature of Motivation, Types of Motives Maslow's Hierarchy of Needs, Nature of Emotions, Expression of Emotions, Managing Negative Emotions, Enhancing Positive Emotions	Biological Motives Psychosocial Motives, Culture and Emotional Expression Culture and Emotional Labelling
FINAL EXAMINATION		**70 MARKS**	**15.02.2027 TO 26.02.2027**

BHARATIYA VIDYA BHAVAN,KOCHI KENDRA

YEAR PLAN FOR THE ACADEMIC YEAR 2026-'27

STD:XI FINANCIAL MARKETS MANAGEMENT(805)

MONTH	TOPIC	SUB-TOPICS	CONCEPTS
June	**PART - B UNIT -1 MARKETS AND FINANCIAL INSTRUMENTS .** **PART - A UNIT 1 COMMUNICATION SKILLS - III**	Investment Stock Exchanges	Investment, Options available for Investment stock Exchange Depository Interest rate, Equity/share, Debt instrument Securities.

JULY	**PART - B UNIT1 MARKETS AND FINANCIAL INSTRUMENTS & EMPLOYABILITY SKILLS.** **PART - A UNIT 1 COMMUNICATION SKILLS - III**	**Regulators and other participants**	Regulators-Securities Market needs Regulators Regulators of the Securities Market-SEBI role in the securities Market participants-The Participants in the securities Market Transact through an intermediary The segments of Securities Market
Unit Test I-27/07/26-03/08/26			

August	**PART-B- UNIT 2: PRIMARY AND SECONDARY MARKET** **PART - A UNIT 2 : SELF MANAGEMET SKILLS - III**	**Primary market**	Primary Market Issue of Shares Initial Public Offer(IPO) Prospectus Listing of Securities SEBI'S Role in an issue Foreign Capital Issuance
September	**PART-B- UNIT 2:PRIMARY AND SECONDARY MARKET** **PART - A UNIT 2 : SELF MANAGEMENT SKILLS - III**	**Secondary Market**	Introduction Stock Exchange Depository Stock Trading Precautions must one take before investing in the stock market Products in the secondary market Equity Investment Debt investment Miscellaneous(only for reading)

October	**PART-B UNIT-3 MUTUAL FUND PRODUCTS AND FEATURES** **PART-A UNIT-3** **ICT SKILLS- III**	**Mutual Fund Structure** **Categories of Mutual Funds** **Equity Schemes and turn over**	Mutual Fund Structure in India ,Manages Investor's Money ,Custodian Role of AMC Role of a registrar and transfer agents Procedure for investing in an NFO New Fund Offer Open ended and close ended funds Equity oriented fund-introduction-Equity fund definition Index fund ,diversified large cap funds, midcap funds Sectoral Funds, Other equity schemes.
Term End EvaluationI:28/09/2026- 09/10/26			

November	**PART - B UNIT - 4** **ETF'S,DEBT AND LIQUIDITY FUNDS AND EMPLOYABILITY** **PART - A UNIT - 4** **ENTREPRENEURIAL SKILLS- III**	**Exchange Traded Funds** **Features of Debt Funds** **Features of Liquid Funds**	**I**ntroduction to Exchange Traded Funds, Salient features REITS ,Gold ETF ,NFO ,Sovereign Gold Bonds, Market making by APS, Creation units, Portfolio deposits and cash components Salient features, Interest Rate Risk, Credit Risk, Debt instrument Priced Debt mutual fund schemes- Salient features, Valuation of securities, floating rate scheme -Portfolio churning in liquid funds stress testing of assets
December	**PART-B UNIT - 5** **Taxation and Regulation.** **PART-A UNIT-5 Green Skills- III**	**Capital Gain Taxation** **Types of Systematic Mutual Fund Plan** **Options of Mutual Fund Schemes**	Capital gains taxation Indexation benefit Dividend distribution Tax, FMPs are popular, overview Industry association for the Mutual Fund Industry Objectives of AMFI Product labeling in Mutual Funds-Riskometer Advantages of Mutual Funds Systematic Investment Plan (SIP) Systematic Transfer Plan (STP) Systematic Withdrawal Plan(SWP) Choosing between dividend payout, Dividend payout option Dividend reinvestment option

Unit Test II - 14/12/26-21/12/26			
January/ February	**PART - B QUANTATIVE EVALUATION OF MUTUAL FUND SCHEMES**	**Mutual Fund Return Calculations** **Mutual Fund Risk Calculations** **Mutual Fund Risk Adjustment Calculations**	**Returns - XIRR, Dividend Re-investment (CAGR), compounding of Periodic Returns** **Risk-Standard Deviation, Beta, Weighted average Maturity, Modified Duration** **Risk Adjusted Returns-Sharpe Ratio, Sortino Ratio,Treynor Ratio, Jensen's Alpha**
Final Examination:15/02/2026- 26/02/26			

BHARATIYA VIDYA BHAVAN, KOCHI
YEAR PLAN 2026-2027

CLASS XI **SUBJECT: ENTREPRENEURSHIP**

SLNO.	MONTH	CHAPTER
Unit 1	JUNE	Entrepreneurship: Concept and Functions
Unit 2	JULY	An entrepreneur
UNIT TEST 1 (25 MARKS)		
Unit 3	AUGUST	Entrepreneurial Journey
Unit 4	SEPTEMBER	Entrepreneurship as Innovation and Problem Solving
TERM END EVALUATION (70 MARKS)		
Unit 5	OCTOBER	Understanding the Market
Unit 6	NOVEMBERDEC	Business Finance and Arithmetic
UNIT TEST 2 (25 MARKS)		
Unit 7	JANUARY/	Resource Mobilization
FINAL EXAMINATION [70+30=100 MARKS]		
PROJECT WORK 30 MARKS		