DELHI PUBLIC SCHOOL BULANDSHAHR

SUBJECT WISE SYLLABUS DISTRIBUTION
(SESSION 2023-2024)
CLASS: XI

SUBJECT: ENGLISH (CORE)

MONTH/ NO. OF DAYS	HORNBILL	SNAPSHOTS	WRITING/GRAMMAR TOPIC
April (14 Days)	• The Portrait of a Lady • A Photograph	• ----------	• Poster Making
May (26 Days)	• The Laburnum Top • A Photograph (Contd……)	• The Summer of the Beautiful White Horse	• Tenses • Preposition
July (25 Days)	• We're not afraid to die • The Voice of Rain	• The Address	• Note Making & Summary Writing • Reported Speech
August (25 days)	• Discovering Tut	• The Address (Contd……..)	• Speech Writing • Gap Filling (diff. parts of speech)
September (25 Days)	• **REVISION FOR FIRST TERM EXAMINATION**	• **REVISION FOR FIRST TERM EXAMINATION**	• **REVISION FOR FIRST TERM EXAMINATION**
October (23 Days)	• Childhood	• Mother's Day	• Para jumbles
November (22 Days)	• The Adventure	• Birth	• Classified Advertisement
December (25 Days)	• Silk Road	• The Tale of Melon City	• Debate Writing
January (26 Days)	• Father to Son	• The Tale of Melon City (Contd.)	• Tenses (Revision)
February (25 Days)	• **REVISION FOR THE ANNUAL EXAMINATION**	• **REVISION FOR THE ANNUAL EXAMINATION**	• **REVISION FOR THE ANNUAL EXAMINATION**

SUBJECT: Mathematics (041)

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	CH 1: Sets CH 2: Relation and Function	Sets, Empty set, Finite and Infinite sets, Equal sets, Subsets, intervals (with notations). Universal set. Venn diagrams. Union and Intersection of sets. Difference of sets. Complement of a set. Properties of Complement. Cartesian product of sets, Definition of relation, pictorial diagrams, domain, co-domain and range of a relation. Function as a special type of relation, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.	
May (26 Days)	CH 4: Complex Numbers & Quadratic Equations CH 5: Linear Inequalities	Need for complex numbers, especially $\sqrt{-1}$, Algebraic properties of complex numbers. Argand plane Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line.	
July (25 Days)	CH 3: Trigonometric Functions	Measuring angles in radians and in degrees, Domain and range of trigonometric functions and their graphs. Identities related to Sin(A±B), Cos(A±B), Tan(A±B), sin2x, cos2x, tan2 x, sin3x, cos3x and tan3x	
August (25 days)	CH: 6 Permutations and Combinations CH: 7 Binomial Theorem	Fundamental principle of counting. Factorial n. (n!) Permutations and combinations, derivation of Formulae for nPr and nCr and their connections, simple applications. binomial theorem for positive integral indices. Pascal's triangle, simple applications.	
September (25 Days)	Revision Term 1 Exams	Revision of all topics coming in Term 1 examination	
October (23 Days)	CH: 8 Sequence and Series CH: 9 Straight line	Sequence and Series. Arithmetic Mean (A.M.) Geometric Progression (G.P.) infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M. 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 (22 Days)	CH: 10 Conic Sections CH:11 Three - dimensional Geometry	Sections of a cone: circles, 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. Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.	
December (25 Days)	CH: 12 Limits and Derivatives CH: 13 Statistics	Derivative introduced as rate of change, Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions. derivative of sum, difference, product and quotient of functions. Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data.	
January (26 Days)	CH: 14 Probability Revision for Term-2	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. Revision for all topic of term -2.	
February (25 Days)	Revision for term -2 examination	Revision for all topic of term -2	

SUBJECT: PHYSICS (042)

MONTH/ NO. OF DAYS	UNIT/ CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	1.Physical world 2.Units and measurement	Physics scope and excitement, nature of physical laws, Physics, technology and society (To be discussed as a part of introduction) Need for measurement, Units of measurement, systems of units, SI units, fundamental and derived units, length, mass, time measurements, significant figures, Dimensions of physical quantities, dimensional analysis and its applications	To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using vernier calipers and hence find its volume
May (26 Days)	3. Motion in straight line 4.Motion in a plane	Elementary concept of differentiation and integration for describing motion, Frame of reference, Motion in straight line, uniform and non-uniform motion, average speed and instantaneous velocity, uniformly accelerated motion, velocity-time and position-time graphs, relations for uniformly accelerated motion (Graphical treatment) Scalar and vector quantities, position and displacement vectors, general vectors and their notations, equality of vectors, multiplication of a vector by a real number, addition and subtraction of vectors, relative velocity, Unit vector,	To measure the diameter of a given wire and thickness of a given sheet using screw gauge.
July (25 Days)	4.Motion in a plane 5.Laws of motion	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. Motion in a plane, cases of uniform velocity and uniform acceleration, Projectile motion, Uniform circular motion. 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 (recapitulate only). Law of conservation of linear momentum and its applications, Equilibrium of concurrent forces, Static and kinetic friction, laws of friction, rolling friction, lubrication, Dynamics of uniform circular motion, Centripetal force, examples of circular motion (vehicle on the level circular road, vehicle on a banked road)	To determine radius of curvature of a given spherical surface by spherometer.

August (25 days)	6. Work power and energy 7. System of particles and rotational motion	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, conservation of mechanical energy, non-conservative forces, motion in a vertical circle, elastic and inelastic collision in one and two dimensions. 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 moment of inertia for simple geometrical objects (No derivations).	Using simple pendulum, plot its $L\text{-}T^2$ graph and use it to find the effective length of second's pendulum.
September (25 Days)		**REVISION & FIRST TERM EXAMINATION**	-
October (23 Days)	8. Gravitation 9. Mechanical properties of solids 10. Mechanical properties of fluids	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, escape velocity, orbital velocity of satellites. Elasticity, Stress – strain relationship, Hooke's law, Stress-strain relationship, Hooke's law, Young's modulus, Bulk modulus, Shear modulus of rigidity (qualitative idea only), Poisson's ratio, elastic energy. Pressure due to a fluid column, Pascal's law and its applications hydraulic lift and hydraulic brakes, effect of gravity on fluid pressure. Viscosity, Stoke's law terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.	To study the relationship between force of limiting friction and normal reaction and to find the co-efficient of friction between a block and horizontal surface.
November (22 Days)	11.Thermal properties of matter	Heat, temperature (recapitulate only) thermal expansions, thermal expansions of solids, liquids and gases, anomalous expansion of water, specific heat capacity, Cp, Cv calorimetry, change of state latent heat capacity,	

	12.Thermodynamics 13. Kinetic theory of gases	Heat transfer conduction, convection and radiation, (Recapitulate only**)** thermal conductivity, qualitative ideas of blackbody radiation, Wein's displacement law, Stefan's law. Thermal equilibrium and definition of temperature, zeroth law of thermodynamics, heat work and internal energy. First law of thermodynamics, isothermal and adiabatic processes. Second law of thermodynamics, gaseous state of matter, change of condition of gaseous state- reversible, irreversible and cyclic processes. 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 degree of freedom, law of equi-partition of energy and application to specific heat capacities of gases concept of mean free path, Avogadro's number.	To find the force constant of a helical spring by plotting a graph between load and extension. To determine the surface tension of water by capillary rise method.
December (25 Days)	14. Oscillations 15. Waves	Periodic motion-time period, frequency, displacement as a function of time, periodic functions and their applications. Simple harmonic motion (SHM) and its equations of motion, phase, oscillations of a loaded spring restoring force, and force constant, energy in SHM, Kinetic and potential energies, Simple pendulum, derivation of expression for its time period. Wave motion, Transverse and longitudinal waves, speed of travelling wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats.	To study the relation between frequency and length of a given wire under constant tension using sonometer.
January (26 Days)		REVISION	REVISION
February (25 Days)		FINAL TERM EXAM	FINAL TERM EXAM

SUBJECT: CHEMISTRY

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	Unit I: 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.	Volumetric Analysis
May (26 Days)	Unit II: Structure of Atom	Discovery of Electron, Proton and Neutron, atomic number, 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.	Volumetric Analysis
July (25 Days)	Unit III:Classification of Elements and Periodicity in Properties Unit IV: Chemical Bonding and Molecular Structure	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 -atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements with atomic number greater than 100. 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	Salt Analysis
August (25 days)	Unit IV: Chemical Bonding and Molecular Structure Unit XII: Organic Chemistry -Some Basic Principles and Techniques	concept of hybridization, involving s, p and d orbitals and shapes of some simple molecules, molecular orbital theory of homonuclear diatomic molecules(qualitative idea only), Hydrogen bond. 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, types of organic reactions.	Salt Analysis

September (25 Days)		**First Term Exam**	**First Term Exam**
October (23 Days)	Unit XIII: Hydrocarbons	Classification of Hydrocarbons Aliphatic Hydrocarbons: Alkanes, Alkenes and Alkynes Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity	Content Based Experiment
November (22 Days)	Unit VI: 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 U and H, Hess's law of constant heat summation,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).	Content Based Experiment
December (25 Days)	Unit VII: 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	Content Based Experiment
January (26 Days)	Unit VIII: 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.	**Final Term Exam**
February (25 Days)		**Final Term Exam**	

SUBJECT: BIOLOGY

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	DIVERSITY OF LIVING ORGANISMS	1. LIVING WORLD 2. BIOLOGICAL CLASSIFICATION.	1.PARTS OF COMPOUND MICROSCOPE.
May (26 Days)	.DIVERSITY OF LIVING ORGANISMS	3. PLANT KINGDOM 4. ANIMAL KINGDOM 5. MORPHOLOGY OF FLOWERING PLANTS	2.IDENTIFICATION OF SPECIMENS FROM PLANT AND ANIMAL KINGDOM.
July (25 Days)	STRUCTURAL ORGANIZATION IN PLANTS AND ANIMALS	6. ANATOMY OF FLOWERING PLANTS. 7. STRUCTURAL ORGANIZATION IN ANIMALS.	3.TO DESCRIBE THE PARTS OF PROVIDED FLOWER. 4.TO PREPARE A SLIDE FROM T.S OF STEM AND ROOT.
August (25 days)	CELL- STRUCTURE AND FUNCTION	8.CELL –THE UNIT OF LIFE. 9. BIOMOLECULES 10. CELL CYCLE AND CELL DIVISION.	5.TO TEST THE PRESENCE OF STARCH, SUGAR, PROTEIN AND FAT.
September (25 Days)		**FIRST TERM EXAMINATION**	
October (23 Days)	PLANT PHYSIOLOGY	11. PHOTOSYNTHESIS IN HIGHER PLANTS. 12 RESPIRATION IN PLANTS.	6.TO STUDY OSMOSIS BY OSMOMETER. 7.TO STUDY PLASMOLYSIS IN EPIDERMAL PEEL.
November (22 Days)	PLANT PHYSIOLOGY ANIMAL PHYSIOLOGY	13. PLANTS GROWTH AND DEVELOPMENT 14.BREATHING AND EXCHANGE OF GASES. 15.BODY FLUID AND CIRCULATION.	8.TO STUDY DISTRIBUTION OF STOMATA IN LEAF. 9.TO STUDY TYPES OF INFLOROSCENCE.
December (25 Days)	ANIMAL PHYSIOLOGY	16.EXCRETORY PRODUCTS AND THEIR ELIMINATION. 17.LOCOMOTION AND MOVEMENTS. .	10.TO TEST THE PRESENCE OF UREA, SUGAR, ALBUMINAND BILE IN URINE.
January (26 Days)	ANIMAL PHYSIOLOGY.	18.NEURAL CONTROL AND COORDINATION 19. CHEMICAL COORDINATION AND INTEGRATION.	11.TO STUDY DIFFERENT TYPES OF JOINTS IN HUMAN BODY.
February (25 Days)		SECOND TERM EXAMINATION	

SUBJECT: INFORMATICS PRACTICES (065)

MONTH/ NO. OF DAYS	UNIT/ CHAPTER	THEORY CONTENT	ACTIVITY/ PRACTICAL
April (21 Days)	**Computer System**	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.	Explore the topics on Internet
May (26 Days)	**Getting Started with Python** **Python Programming Fundamentals**	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 and comments, input and output statements, data type conversion, debugging	Basic Python commands
July (25 Days)	**Conditional and Looping Constructs**	if-else, if-elif-else, while loop, for loop	Python programs
August (25 days)	**Lists in Python** **Dictionary**	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 key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del(), clear()	Lists and Dictionary programs
September (25 Days)	**Revision and First Term Exam**		
October (23 Days)	**Database Concepts** **Structured Query Language**	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 keyAdvantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL, Data Types. Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: INSERT, DELETE,UPDATE	SQL commands

November (22 Days)	**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.	Explore the topics on Internet
December (25 Days)	**Revision**		
January (26 Days)	**Revision and Practical Exam**		
February (25 Days)	**Revision and Annual Exam**		

SUBJECT: COMPUTER SSCIENCE

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	Getting started with Python Python Fundamental Data Handling	Tokens , Operators Keywords Literals Punctuators	Programs related to Tokens
May (26 Days)	Flow of Control String Manipulation	If Statements For Loop While Loops Nested If Statements	Python programs related to If, for and while
July (25 Days)	List Manipulation Tuples	Nested List Nested Tuples Built in functions of List and Tuple	Python Programs related to List
August (25 days)	Dictionaries Understanding Sorting	Dictionary Updation Insertion and Deletion of Data from Dictionary	Python Programs related to Dictionary
September (25 Days)	**I Term Exam**	**I Term Exam**	**I Term Exam**
October (23 Days)	Cyber Safety Online Access and computer Security Society , Law and Ethics	Viruses Anti Viruses IT Act 2008 Firmware	Discussion about various types of Viruses and antiviruses
November (22 Days)	Computer System Overview Data Representation	Types of computer Octal Number Sysytem Hexa Decimal Number System Decimal Number System Binary Number System	Number Conversions
December (25 Days)	Emerging Trends Introduction to Problem Solving	Introduction of Artificial Intelligence	AI Programs Introduction
January (26 Days)	REVISION	REVISION	REVISION
February (25 Days)	**Final Term Exam**	**Final Term Exam**	**Final Term Exam**

SUBJECT: PHYSICAL EDUCATION

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	1. Changing Trends and Career In Physical Education	# Concept aim and objectives of physical education. # Development of physical education in India – Post Independence. # Changing Trends in sports. # Career options in physical education. #Khelo India Program and Fit India Program.	1. 50 mts Sprint
May (26 Days)	2. Olympic Value Education.	# Olympism- concept and Olympic values. # Olympic value education. # Ancient and Modern Olympics. # Olympic symbol, motto, Flag, Oath and Anthem.	2 Push-ups/ Modified Push-ups. 3. Preparation of Practical File.
July (25 Days)	3.Yoga. 4. Physical Education and Sports For CWSN.	# Meaning and Importance of Yoga. # Introduction to Astanga Yoga. # Yogic Kriyas. # Pranayama and its types. # Active lifestyle and stress management through Yoga. # Concept of Disability and Disorder. # Types of disability its causes and nature. # Disability Etiquette. # Aims and Objectives of Adaptive Physical education. # Role of various professionals for CWSN.	4. Yogic Practices 5. Partial curl-ups
August (25 days)	5. Physical Fitness,Wellness and Lifrstyle	# Meaning and importance of wellness, Health and Physical fitness. # Components/ Dimensions of Wellness, Health and Physical fitness. # Traditional sports and Regional games for promoting wellness. # Leadership through Physical activity and sports. # Introduction to first aid- PRICE	6. .Sit and Reach Test. 7. Skills of Game/Sport.
September (25 Days)	First Term Exam.	First Term Exam.	8. Sit and Reach Test. 9. Skills of Game/Sport.
October (23 Days)	6.Test, Measurement And Evaluation	# define test , measurements and evaluation # Importance of test , measurements and evaluation in sports. #Calculation of BMI , waist – hip ratio, skin fold measurement (3-site) # Somato types (Endomorphy, mesomorphy & ectomorphy) # Measurements of health-related fitness.	10. 600Mts Run/Walk Test

	7. Fundamentals Of Anatomy,Physiology and Kinesiology in Sports	# Definition and importance of anatomy and physiology in exercise and sports . # Functions of skeletal system , classification of bones , and types of joints. #Properties and functions of muscles . #Structure and functions of circulatory system and heart. #Stucture and functions of respiratory system.	
November (22 Days)	8. Fundamentals Of Kinesiology and biomechanics in sports.	# Defintion and importance of kinesiology and biomechanics in sports. #Principles of biomechanics #Kinetics and kinematics in sports #Types of body movements – flexion , extension , abduction , adduction , rotation , circumduction , supination & pronation. #Axis and planes – concept and its application in body movements.	11. Skills of the Game/Sport
December (25 Days)	9. Psychology And Sports.	# Definition & importance of psychology in physical education & sports. #Developement characterstics at different stages of development. #Adolescent problems & their management. #Team cohesion and sports . #Introduction to psychological attributes : attention , resilience, mental toughness.	12. Skills of the Game/Sport
January (26 Days)	13. Training and Doping In Sports	#Concept and principles of sports training. #Training load: over load, adaption , and recovery. # Warming up & limbering down – types, method & importance # Concept of skill , technique , tactics & stratigies . #Concept of doping and its disadvantages.	13. Physical Fitness Test.
February (25 Days)	Revision and Second Term Exam.	# 20% syllabus of First Term # 50% syllabus of Second Term	

SUBJECT: ACCOUNTANCY (055)
Class –XI

MONTH	UNIT/CH	THEORY /CONTENT	PRACTICAL
APRIL **(22 days)**	1.,2	Introduction to Accounting	Meaning, Attributes, Objectives, Advantages and Limitations of Accounting. Book Keeping, Accounting and Accountancy. Basic Accounting Terms,
MAY **(25 days)**	3.,4 5.,6;7	Theory Base of Accounting Recording of Transactions	Bases of Accounting, Accounting Standards, IFRS Accounting Equation, Rules of Debit and Credit, Source documents,
JULY **(24days)**	8; 9,10,11,12	Recording of Transactions	Journal , Cash Book, Other Subsidiary Books, Ledger
AUGUST **(23 days)**	14	Recording of Transactions	Trial Balance . Revision
SEPTEMBER **(22 days)**		**I-Terminal Examination**	----------
OCTOBER **(22 days)**	13,15	Recording of Transactions	Bank Reconciliation Statement, Depreciation, Provisions and Reserves,
NOVEMBER **(22 days)**	15,16,17	Recording of Transactions	Depreciation, Provisions and Reserves, (Contd.) Rectification of Errors- types of errors, detection and preparation of Suspense account
DECEMBER **(25 days)**	17, 18,19	Recording of Transactions *Financial Statements of Sole Proprietorship	Rectification of Errors- types of errors, detection and preparation of Suspense account *Accounting from complete records, Closing Entries, Format of Final account, Numerical

			without Adjustments , Adjustments of items,
JANUARY 2024 (26 days)	19. 20	Financial Statements of Sole Proprietorship Accounts for Incomplete Records (Single Entry System)	Accounting from complete records, Numerical with Adjustments. (Contd.) Accounting from Incomplete Records. Difference between accounts from incomplete records and Statement of Affairs.
FEBRUARY 2024 (25 days)		Revision Final Term Exam	
March 2024			

SUBJECT: BUSINESS STUDIES (054)

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	**1**	**Nature and Purpose of Business**	Business- Concept and Meaning, types of human activities, objectives of Business, Role of Profit Industry: meaning and Types, Commerce, Business Risk
May (26 Days)	**2**	**Forms Of Business Organisations**	Introduction, Sole Proprietorship, Joint Hindu Family, Co-Operatives, Partnership, Joint Stock Company, Stages & Important Documents, Choice of form of business enterprises. History Of Commerce.
July (25 Days)	**3,4**	• **Private, Public and Global Enterprises** • **Business Services**	Introduction, Role of Private Vs. Public sector, Types of Public Sector Enterprises, Multinational Companies, Joint Ventures, Public-Private Partnership. Meaning of Business Services, Features, Nature, Types of services, Categories of Services: Banking, Insurance, Postal
August (25 days)	**5**	**Emerging Modes Of Business**	Introduction, Meaning and Scope of E-Business, Traditional Vs. E-Business, Outsourcing, KPO,
September (25 Days)	**Revision**	**First Terminal Exams**	
October (23 Days)	**6,7**	• **Social Responsibilities and Ethics** • **Sources Of Business Finance**	Concept Of Social Responsibilities, Responsibilities towards different Groups, Business and Environment Protection, Business Ethics Concept of Business Finance, Significance of Business Finance, Sources on the basis of ownership,

			Sources of Raising Funds, Borrowed Funds.
November (22 Days)	**8**	**Small Business Enterprises**	Entrepreneurship Development, Process of Entrepreneurship, Intellectual Property Rights, Meaning and Role Of Small Business in rural India, Government Assistance to Small Business.
December (25 Days)	**9,10**	• **Internal Trade** • **International Business**	Meaning and Features Of Internal Trade, Types Of Internal Trade, GST (Introduction). Meaning and Nature of International Business, Problems and Reasons of International Business, Domestic Vs. International Business, Benefits of international Business.
January (26 Days)	**10**	• **International Business (Contd.)** • **Revision**	Mode of Entry in International Business, Export-Import Documents, Important Terms in International Trade, World Trade Organisation.
February (25 Days)	**Revision**	**Annual Examinations**	

SUBJECT: ECONOMICS (030)

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	**PART-A** Unit-1	**Introduction**: Meaning, scope and importance of statistics in Economics.	
May (26 Days)	Unit-2 Unit-4	**Collection, Organization and Presentation of data** (Tabular Presentation) **Introduction**:-- Meaning of Microeconomics, Positive and Normative economics, Central problems of an economy, Production Possibility Curve and opportunity Cost.	
July (25 Days)	Unit-2 Unit-5	**Presentation of data** : (Diagrammatic Presentation): Bar Diagrams, Pie Diagram. **Consumer's Equilibrium and Demand**:- (Consumer Equilibrium)- Law of DMU, Conditions of consumer's equilibrium using marginal utility and Ordinal utility (Indifference Curve Analysis)	
August (25 days)	Unit-5 Unit-3	**Consumer's Equilibrium and Demand**:- Demand and Price Elasticity of Demand **Presentation of data** : (Frequency Diagrams)- Histogram, Polygon and Ogive.	
September (25 Days)		**Revision Of First Term Syllabus** **FIRST TERM EXAM**	
October (23 Days)	Unit-3 Unit-6	**Statistical Tools and Interpretation**: (Measures of Central Tendency) – Mean, Median and Mode. **Producer Behaviour and Supply-** Production Function, Cost, Revenue	
November (22 Days)	Unit-5 Unit-6	**Correlation**—Meaning, Scatter diagram, Karl Pearson's method, Spearman's Rank correlation. **Producer Behaviour and Supply-** Producer's Equilibrium and Supply	
December (25 Days)	Unit-6 Unit-3	**Forms of Market and Price Determination Under Perfect Competition with Simple Applications:-** Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly:- Meaning, features of Perfect Competition. **Introduction to Index Numbers**—Meaning, types, Whole Sale Price Index, Consumer Price	

		Index, Laspeyre's method, Paasche's method, Fisher's method.	
January (26 Days)	**PART-A & B**	**Simple Applications of demand and supply:-** Determination of Market equilibrium and effects of shifts in demand and supply, Price ceiling, Price floor. **FULL REVISION—STATISTICS AND MICROECONOMICS**	
February (25 Days)		**FULL REVISION—STATISTICS AND MICROECONOMICS** **ANNUAL EXAMINATION**	

SUBJECT: GEOGRAPHY

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	MAP WORK
April (14 Days)	Unit-1 Unit-II	-Geography as a Discipline -The Origin and Evolution of the Earth -Interior of the earth	
May (26 Days)	Unit - III	-Distribution of oceans and continents -Geomorphic processes	Political Map of all Continents of the world.
July (25 Days)	Unit-IV	-landform and their origin -Structure and composition of atmosphere -Solar Radiation, Heat balance and Temperature	Major Oceans of the world: Indian Ocean, Pacific Ocean, Atlantic Ocean, Arctic Ocean, Southern Ocean • Major lithospheric plates and Minor lithospheric plates, Ring of fire (Pacific Ocean), Mid-Atlantic Ridge.
August (25 days)	Unit -IV	-Atmospheric circulation and weather system -water in atmosphere	Major Hot Deserts of the world: • Nevada, US • Patagonian Desert- Argentina • Sahara-Africa • Gobi Desert- Mongolia, Asia • Thar desert- India • Great Victoria desert-Australia
September (25 Days)	Unit-V	-Water in Oceans -Movements of Ocean Water MAP WORK- OCEAN CURRENTS-Cold currents • Humboldt c. • California c. • Falkland c. • Canaries c. • West Australian c. • Oyashio c. • Labrador c. Warm currents • Alaska c. • Brazilian c. • Aughlas c. • Kuroshio c. • Gulf stream c.	Major Seas • Black sea • Baltic sea • Caspian Sea • Mediterranean Sea • North Sea • Red sea • Bay of Fundy (Canada)-Famous for the highest tides in the world
October (23 Days)	Unit-1	-India and location -Structure and Physiography -MAP WORK- • Latitudinal extent of India • Longitudinal extent of India • Standard Meridian of India • Important latitude passing through India (Tropic of Cancer) • Southern Most Point of main land of India (Kanya Kumari) Mountains: Karakoram Range, Garo-Khasi- Jaintia hills, Aravalli Range, Vindhyan Range, Satpura Range, Western ghats & Eastern ghats • Peaks: K2, Kanchenjunga, Nandadevi, Nanga Parvat, Namcha Barwa and Anaimud • Passes: Shipkila, Nathula, Palghat, Bhor ghat and Thal ghat • Plateaus: Malwa, Chhotnagpur, Meghalaya and Deccan Plateau. • Coastal Plains: Saurashtra, Konkan, North and South Kanara, Malabar, Coromandel and Northern Circars • Islands: Andaman & Nicobar Islands and Lakshadweep Islands	Ecological hotspots • Eastern Himalaya, India • Western ghats, India • Indonesia, Asia • Eastern Madagascar, Africa • Upper Guinean forests, Africa • Atlantic forest, Brazil • Tropical Andes

November (22 Days)	Unit-II Unit-III	-Drainage system -Climate **MAP WORK**-Area with highest temperature in India • Area with lowest temperature in India • Area with highest rainfall in India • Area with lowest rainfall in India	-Rivers: Brahmaputra, Indus, Satluj, Ganga, Yamuna, Chambal, Damodar Mahanadi, Krishna, Kaveri, Godavari, Narmada, Tapti and Luni • Lakes: (Identification)Wular, Sambhar, Chilika, Kolleru, Pulicat & Vembanad • Straits, Bays , Gulfs: Palk Strait, Rann of Kachch, Gulf of Kachch, Gulf of Mannar & Gulf of Khambat
December (25 Days)	Unit-III	-Natural Vegetation	(Identification on an outline map of India) Tropical evergreen, Tropical deciduous, Tropical thorn, Montane and Littoral/Swamp forests. Wildlife reserves: (locating and labeling) • National Parks: Corbett, Kaziranga, Ranthambore. Shivpuri, Simlipal • Bird Sanctuaries: Keoladev Ghana and Ranganathitto • Wild life Sanctuaries: Periyar, Rajaji, Mudumalai, Dachigam,
January (26 Days)		REVION WORK	
February (25 Days)		EXAMS	

SUBJECT: POLITICAL SCIENCE

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/
April (14 Days)	**Part A: Chapter -1 Chapter-2**	**Indian Constitution at Work** 1.What is Constitution and Why Constitution. 2. Rights in the Indian Constitution	
May (26 Days)	Chapter.3 Chapter-4.	3. Election and Representation 4. The Executive	
July (25 Days)	Chapter-5 Chapter-6	5. Legislature 6. The Judiciary	
August (25 days)	Chapter-7 Chapter-8	7. Federalism 8. Local Governments	Debate on Centre state relations
September (25 Days)	Chapter-9 Chapter-10	9. Constitution as a living document. 10. Philosophy of the constitution	
October (23 Days)	Chapter-1 Chapter-2 Chapter-3	PART B-POLITICAL THEORY 11. Political theory: - An Introduction 12.Freedom 13. Equality	
November (22 Days)	Chapter-4 Chapter-5 Chapter-6	14. Social justice 15. Rights. 16. Citizenship (contd…)	
December (25 Days)	Chapter-7 Chapter-8	16- Citizenship 17-Nationalism 18- Secularism (contd…)	Project work
January (26 Days)	Chapter-7 Chapter-8	18- Secularism	
February (25 Days)		Revision	

SUBJECT: HISTORY

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	Ch-2	WRITING AND CITY LIFE	MAP
May (26 Days)	Ch-3	AN EMPIRE ACROSS THREE CONTINENTS	MAP
July (25 Days)	CH-5	NOMADIC EMPIRE	PRESENTATION
August (25 days)	CH-6	THE THREE ORDERS	MAP
September (25 Days)		**REVISION TERM-1**	
October (23 Days)	CH-7	Ch-7 CHANGING CULTURAL TRADITIONS	Quiz
November (22 Days)	Ch-10	Ch-10 DISPLACEING INDIGENOUS PEOPLES	Presentation
December (25 Days)	Ch-11	PATHS TO MODERNISATION	Quiz
January (26 Days)		REVISION	
February (25 Days)		FINAL TERM EXAM	

SUBJECT: HINDUSTANI VOCAL MUSIC

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	Definition	Brief of the following Nada, Shruti, Swar, Saptak, Thaat, Jati	One Vilambit Khayal in any one raag
May (26 Days)	Raag Taal	Bihag Teentaal	One devotional song
July (25 Days)	Musical Elements	Brief study of Musical Elements in Natya Shastra	One Drut Khayal in Raag Bihag
August (25 days)	Life Sketch	Tansen	One Dhrupad with Dugun in any one raag.
September (25 Days)		**I- TERMINAL EXAMINATION**	
October (23 Days)	Definition Raag Taal	Brief of the following Laya, Tala, Margi- Desi, Raga Bhimpalasi Ektaal	Recitation of thekas- Teentaal, Ektaal, Chautaal
November (22 Days)	Brief History of elements Raag	Brief History of the following Dhrupad, Khayal and Tarana Bhairavi	Ability to recognize pharas of ragas
December (25 Days)	Life Sketch Taal	V.N. Bhatkhande and V.D. Paluskar Chautaal	One Drut Khayal in Raag Bhairavi
January (26 Days)	Tanpura	Knowledge of the Structure of Tanpura	One Drut Khayal in Raag Bhimpalasi
February (25 Days)		Revision Final Term Examination	

SUBJECT: PAINTING

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/
April **(14 Days)**	Art -Introduction Art and Culture	Visual , Performing and Literary Art Traditional and Modern Art	Landscape and Still Life composition
May **(26 Days)**	Origin and Development	Different forms of Fine Arts in India	Flowers study and Bird study
July **(25 Days)**	Prehistoric Rock Paintings	A Roaring animal and Wizard Dance	Calligraphy , Mandala art
August **(25 days)**	Art of Indus Valley	Dancing Girl ,Male Torso, Mother Goddess, Unicorn Bull Seal	Work of famous Indian Artist
September **(25 Days)**		**Revision work and First Term Examination**	
October **(23 Days)**	Buddhist ,Jain and Hindu Art	Lion Capital, Chauri Bearer, Bodhistava Head, Seated Buddha Katra and Gupta period, Jain Trithankara	Indian Festivals . Rangoli design
November **(22 Days)**	The Art of Ajanta Caves	Padmapani Bodhisatava cave no. 1 , Mara Vijay Cave no. 26	Fruits , Vegetables , Objects drawing
December **(25 Days)**	Temple Sculptures and Bronzes	Descent of Ganga, Trimurti, Cymbal Player, Mother and Child, Ravana Shaking Mount Goverdhana, Laxmi Narayan	Indian folk Madhubani art
January **(26 Days)**	Artistic Aspects of Indo Islamic Architecture	Qutub Minar ,Taj Mahal and Gol Gumbaz	Modern painting by famous artist
February **(25 Days)**		Revision work and First Term Examination	

SUBJECT: Kathak Dance (056)

MONTH/ NO. OF DAYS	UNIT/CHAPTER/ TOPIC	THEORY CONTENT	ACTIVITY/ PRACTICAL/ GRAMMAR TOPIC
April (14 Days)	**Taal**	**Teen taal**	Laya
May (26 Days)	Laya	**1 to 4 guna**	Vilambeet
July (25 Days)	History of Indian Dance	History of Indian dance of seven classical dance form	Teen Taal.
August (25 days)	Tatkar	Tatkar in foot movemnents	Tatkar
September (25 Days)	Hastaka	**Movements of hastaka** **Different dance movements** **Revision**	Tihai and Kayda
October (23 Days)	Thumri	Bol of poem	Kavit
November (22 Days)	Tukda	Tudra in Teen taal Revision of taal	Tukda Parant
December (25 Days)	Aamad and Paran in Teen taal	**Aamad and Paran in**	Parant
January (26 Days)	**Kavitya and Revision**	Bol of taal Revision of practical and theory	GuruVandana
February (25 Days)	Revision	Practical work file on bol Practical Exam Annual Exam.	Practical Exam Annual Exam.