



# ANAND NIKETAN SCHOOL

CBSE Affiliation No: 430168

An initiative of Sarjan Foundation

Postal Address: Mehsana Unjha Highway, Moti Dau, Mehsana 384121 Gujarat, India  
Phone: 9924100068 Email: info@anmschool.com Website: www.anmschool.com



## GRADE 12 Science-SPLIT UP SYLLABUS-(2025-2026)

English			
Month	Chapter	Theme/ Sub-theme	Activities
April	The Last Lesson	Infringement on the rights of people to speak a language of their choice. Prussia conquering two districts of France	Textual questions/ Extra questions/ Assignments/Character sketches
	My Mother at sixty six	Fear of Kamala Das about the death of her mother.	Textual exercises/Literary devices/ Worksheet
	The Third Level	Charlie's escapism to an unknown parallel world.	Assignments, comprehensions, character sketches and value based questions
May	Notice Writing	Drafting notices for various events and occasions	Notice drafting
June	Lost Spring	The acceptance of poverty, exploitation as destiny and a dire need to provide the poverty-stricken people, especially the children, a life of dignity and opportunities to dare, dream and do.	Assignments, character analyse and debate.
	Keeping Quiet	Importance of having peace and unity in the world.	Assignments, comprehension questions and poetic devices.
	Deep Water	A real life personal account of experiencing fear and the steps to overcome it.	Textual questions/ Extra questions/ Assignments/Character sketches"
	Formal invitations and replies	Drafting formal and informal invitations and replies for various occasions	Drafting formal and informal invitations and replies for various occasions
July	The Rat Trap	The story has a universal theme that the essential goodness in a human being can be awakened through understanding and love.	Textual exercises/Extracts/ Value based/ Character sketches
	Journey to the end of the Earth	Tishani Doshi describes the journey to the coldest, driest and windiest continent in the world: Antarctica.	Assignment/ Comprehension questions – Textual questions/ Extra questions/ Value based questions
	The Tiger King	The story is a satire on the conceit of those in power.	Textual exercises/Extracts/ Value based/ Character sketches
August	Indigo	The leadership shown by Mahatma Gandhi to secure justice for oppressed people through convincing argumentation and negotiation.	Textual exercises/Extracts/ Value based/ Character sketches
	Letter Writing - Editor and job Application	Importance of writing formal letters like job applications including resume	Drafting job application letters and letters to editor
	A Thing of Beauty	The natural bounties are all beautiful things that fill us with joy and remove the gloom in life.	Assignments, comprehension questions and poetic devices.
September	The Enemy	Dr.Sadao encounters the dilemma-to live as a private individual whose moral ethical responsibility is to save the soldier or to let the prisoner die	Textual exercises/Extracts/ Value based/ Character sketches
	Report writing - Magazines and newspaper	Importance of writing magazine and newspaper reports.	Drafting reports
October	Poets and panckakes	The author talks about the Gemini studios set up in Chennai. It was one of the most influential film producing organisations of India in the early days of Indian film making.	Textual exercises/Extracts/ Value based/ Character sketches
	On the face of it	The lesson is about the pain and isolation the physically handicapped go through.	Textual exercises/Extracts/ Value based/ Character sketches
	A Roadside Stand	The poet presents the lives of poor, deprived people with pitiless clarity and with the deepest sympathy and humanity.	Assignments, comprehension questions and poetic devices.
	Article Writing	Importance of writing articles.	Drafting articles
November	The Interview - Part 1&2	Part I– Interview in the field of journalism. Part II -is an extract from an interview of Umberto Eco,	Textual exercises/Extracts/ Value based/ Character sketches
	Aunt Jennifer's Tigers	The poem showcases a fair interplay between rebellion and repression, the individual and the social and between personal and political aspects of male chauvinism and suffocation in a married life.	Assignments, comprehension questions and poetic devices.
December	Going Places	Deals with the theme of adolescent fantasising and hero worship	Textual exercises/Extracts/ Value based/Character sketches
	Memories of Childhood - Part 1&2	The story presents autobiographical episodes from the lives of two women and is an insight into humiliations suffered by the marginalised communities and their relationship with the mainstream culture.	Textual exercises/Extracts/ Value based/Character sketches
January		Revision	
PHYSICS			
Month		Content/Sub Topic	Activity
April	1.Electric Charges and Fields	Electric Charges; Conservation of charge, Coulomb's law-force between two point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field ,Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside).	Expt.(1)To determine resistivity of two / three wires by plotting a graph for potential difference versus current.
	2. Electrostatic Potential and Capacitance	Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance,	Activity(1)To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using a Multimeter.
May	2. Electrostatic Potential and Capacitance	combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only).	Activity(2)To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.
June	3.Current Electricity	Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current, Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance, Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.	Expt.(2) To verify the laws of combination (series) of resistances using a metre bridge. Expt (3). To verify the laws of combination (parallel) of resistances using a metre bridge
	4. Moving Charges and Magnetism	Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire.	Activity(3)To measure resistance,voltage(AC/DC),current(AC) and check continuity of a given circuit using multimeter
July	4. Moving Charges and Magnetism	Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields. Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors-definition of ampere, torque experienced by a current loop in uniform magnetic field; Current loop as a magnetic dipole and its magnetic dipole moment, moving coil galvanometerits current sensitivity and conversion to ammeter and voltmeter	Expt.(4)To find resistance of a given wire / standard resistor using metre bridge
	5.Magnetism And Matter	5.Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only), magnetic field lines. Magnetic properties of materials- Para-, dia- and ferro - magnetic substances with examples, Magnetization of materials, effect of temperature on magnetic properties.	Expt(5)To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.

August	6. Electromagnetic Induction	6. Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law, Self and mutual induction.	Activity(4) To assemble the components of a given electrical circuit
	7. Alternating Current	7. Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only),	
	7. Alternating Current	7. Resonance, power in AC circuits, power factor, wattless current. AC generator, Transformer.	Expt(6) To find the frequency of the AC mains with a Sonometer
September	8. Electromagnetic Waves	Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses	Activity(5) To study effect of intensity of light on an LDR.
October	9. Ray Optics and optical instruments	Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism. Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.	Activity(6) To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab
	10. Wave optics	Wave optics: Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygen's principle.	Expt.(7) To find the focal length of a convex mirror, using a convex lens
November	10. Wave Optics	Interference, Young's double slit experiment and expression for fringe width (No derivation final expression only), coherent sources and sustained interference of light, diffraction due to a single slit, width of central maxima (qualitative treatment only).	Expt.(7) To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation. .
	11. Dual Nature of Radiation And Matter	Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light. Experimental study of photoelectric effect Matter waves-wave nature of particles, de-Broglie relation	Expt.(8) To determine refractive index of a glass slab using a travelling microscope.
	12. Atoms	12. Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in his orbit, of hydrogen line spectra (qualitative treatment only).	Activity(7) To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.
	13. Nuclei	Composition and size of nucleus, nuclear force Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion.	
December	14. Semiconductor Devices	Energy bands in conductors, semiconductors and insulators (qualitative ideas only) intrinsic and extrinsic semiconductors.p and n type.p-n junction Semiconductor diode - I-V characteristics in forward and reverse bias, diode as a rectifier;	Expt(9) To draw the I-V characteristic curve for a p-n junction diode in forward bias and reverse bias.
January	Pre Board Examination	Pre Board Examination	
<b>Biology</b>			
Month	Chapter No./ Chapter's Name	Topics	Lab Experiments/Activities
April	Chapter-1: Sexual Reproduction in Flowering Plants	Flower structure; development of male and female gametophytes; pollination - types, agencies and examples; out breeding devices; pollen-pistil interaction; double fertilization; post fertilization events - development of endosperm and embryo, development of seed and formation of fruit; special modes- apomixis, parthenocarp, polyembryony; Significance of seed dispersal and fruit formation.	1. To observe pollen germination on stigma through a permanent slide or scanning electron micrograph. 2. To prepare a temporary mount to observe pollen germination. 3. Flowers adapted to pollination by different agencies (wind, insects, birds). 4. Controlled pollination - emasculation, tagging and bagging.
	Chapter-2: Human Reproduction	Male and female reproductive systems; microscopic anatomy of testis and ovary; gametogenesis -spermatogenesis and oogenesis; menstrual cycle; fertilisation, embryo development upto blastocyst formation, implantation; pregnancy and placenta formation; parturition ; lactation	1. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). 2. To study Meiosis in onion bud cell or grasshopper testis through permanent slides. 3.T.S. of blastula through permanent slides (Mammalian). 4. To Prepare a temporary mount of onion root tip to study mitosis.
	Chapter-3: Reproductive Health	Need for reproductive health and prevention of Sexually Transmitted Diseases (STDs); birth control - need and methods, contraception and medical termination of pregnancy (MTP); amniocentesis; infertility and assisted reproductive technologies - IVF, ZIFT, GIFT.	
May			
June	Chapter-4: Principles of Inheritance and Variation	Heredity and variation: Mendelian inheritance; deviations from Mendelism – incomplete dominance, co-dominance, multiple alleles and inheritance of blood groups, pleiotropy; elementary idea of polygenic inheritance; chromosome theory of inheritance; chromosomes and genes; Sex determination - in humans, birds and honey bee; linkage and crossing over; sex linked inheritance - haemophilia, colour blindness; Mendelian disorders in humans - thalassemia; chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndromes.	1. To study Mendelian inheritance using seeds of different colour/sizes of any plant. 2. To prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colourblindness.
	Chapter-5: Molecular Basis of Inheritance	Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging; DNA replication; Central Dogma; transcription, genetic code, translation; gene expression and regulation - lac operon; Genome, Human and rice genome projects; DNA fingerprinting.	
	Chapter-6: Evolution	Origin of life; biological evolution and evidences for biological evolution (paleontology, comparative anatomy, embryology and molecular evidences); Darwin's contribution, modern synthetic theory of evolution; mechanism of evolution - variation (mutation and recombination) and natural selection with examples, types of natural selection; Gene flow and genetic drift; Hardy - Weinberg's principle; adaptive radiation; human evolution.	To study homologous and analogous organs in plants and animals through models/flash cards.
July	Chapter-7: Human Health and Diseases	Pathogens; parasites causing human diseases (malaria, dengue, chikungunya, filariasis, ascariasis, typhoid, pneumonia, common cold, amoebiasis, ring worm) and their control; Basic concepts of immunology - vaccines; cancer, HIV and AIDS; Adolescence - drug and alcohol abuse.	To observe common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any funguscausing ringworm through permanent slides, models or virtual images. Comment onsymptoms of diseases that they cause.
	Chapter-8: Microbes in Human Welfare	Microbes in food processing, industrial production, sewage treatment, energy generation andmicrobes as bio-control agents and bio-fertilizers. Antibiotics; production and judicious use	
August	Chapter-9: Biotechnology - Principles and Processes	Genetic Engineering (Recombinant DNA Technology).	To Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.
	Chapter-10: Biotechnology and its Applications	Application of biotechnology in health and agriculture: Human insulin and vaccine production, stem cell technology, gene therapy; genetically modified organisms	
September	Chapter-10: Biotechnology and its Applications (contd...)	Application of biotechnology - Transgenic animals; biosafety issues, biopiracy and patents.	
October	Chapter-11: Organisms and Populations	Organisms and environment: Habitat and niche, population and ecological adaptations; population interactions - mutualism, competition, predation, parasitism; population attributes - growth, birth rate and death rate, age distribution.	1. To study the plant population density by quadrat method. 2. To study the plant population frequency by quadrat method
November			
	Chapter-12: Ecosystem	Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy	

December	Chapter-13: Biodiversity and its Conservation	Biodiversity - Concept, patterns, importance; loss of biodiversity; biodiversity conservation; hotspots, endangered organisms, extinction, Red Data Book, Sacred Groves, biosphere reserves, national parks, wildlife, sanctuaries and Ramsar sites.	To study symbiotic association in root nodules of leguminous plants, cuscuta on host and lichens.
Pre-Board Exams			
January			
	DOUBT CLARIFICATION SESSION FOR BOARD EXAMS		
Mathematics			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Ch-3 Matrices	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Noncommutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).	Mind map
	Ch- 4 Determinants	Determinant of a square matrix (up to $3 \times 3$ matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples.	Quiz
May	Ch- 4 Determinants (Continued)	solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	-
June	Ch-1 Relations and Functions	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.	<b>Activity 1:</b> To verify that the relation R in the set L of all lines in a plane, defined by $R = \{ l, m \} : l \text{ is parallel to } m \}$ is an equivalence relation.
	Ch-2 Inverse Trigonometric Functions	Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions	<b>Activity 2:</b> To draw the graph of $\sin^{-1} x$ , using the graph of $\sin x$ and demonstrate the concept of mirror reflection ( about the line $y = x$ )
July	Ch- 5 Continuity and Differentiability	Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, <i>like</i> $\sin^{-1} x$ , $\cos^{-1} x$ and $\tan^{-1} x$ , derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives	<b>Activity 3:</b> To verify Rolle's Theorem.
August	Ch- 6 Applications of Derivatives	Applications of derivatives: rate of change of quantities, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate	<b>Activity 4:</b> To understand the concepts of decreasing and increasing functions
	Ch- 7 Integrals	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them.Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals	<b>Activity 5:</b> To verify that amongst all the rectangles of the same perimeter , the square has the maximum area.
September	Ch-8 Applications of the Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	<b>Activity 6:</b> To evaluate the definite integral from a to b of given function as the limit of a sum and verify it by actual integration.
	Ch- 12 Linear Programming	Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).	-
October	Ch- 10 Vectors	Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.	<b>Activity 7:</b> To verify that angle in a semicircle is a right angle, using vector method.
	Ch- 11 Three - dimensional Geometry	Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines	<b>Activity 8 :</b> To sketch the graphs of a rise to x and $\log x$ , $a > 0$ , a is not equal to 1 and to examine that they are mirror images of each other. <b>Activity 9 :</b> To measure the shortest distance between two skew lines and verify it analytically.
November	Ch- 13 Probability	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean of random variable.	<b>Activity 10:</b> To explain the computation of conditional probability of a given event A when event B has already occurred, through an example of throwing a pair of dice.
December	Ch- 9 Differential Equations	Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $dy/dx + py = q$ , where p and q are functions of x or constants. $dx/dy + px = q$ , where p and q are functions of y or constants	Mind Map
January			
Pre-Board Exams			
CHEMISTRY			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Chapter 1- Solutions	Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law, colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor.	Volumetric Analysis
	Chapter 6- Haloalkanes and Haloarenes	Haloalkanes: Nomenclature, nature of C-X bond, physical and chemical properties, optical rotation mechanism of substitution reactions. Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).	Volumetric Analysis
May	Chapter 6- Haloalkanes and Haloarenes(conti...)	Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.	Volumetric Analysis
June	Chapter 2- Electro Chemistry	Redox reactions, EMF of a cell, standard electrode potential, Nernst equation and its application to chemical cells, Relation between Gibbs energy change and EMF of a cell, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea), dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.	Volumetric Analysis
July	Chapter 3- Chemical Kinetics	Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction, rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions), concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.	Salt Analysis
August	Chapter 7- Alcohol, phenol and ether	Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration, uses with special reference to methanol and ethanol. Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols	Salt Analysis

September	Chapter 4- d-and f-Block Elements	General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first-row transition metals – metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation, preparation and properties of K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> and KMnO <sub>4</sub> . Lanthanoids – Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction and its consequences. Actinoids - Electronic configuration, oxidation states and comparison with lanthanoids.	
October	Chapter 5- Coordination Compounds	Coordination compounds - Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds. Bonding, Werner's theory, VBT, and CFT; structure and stereoisomerism, the importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).	Salt Analysis
	Chapter 8 Aldehyde, Ketones and Carboxylic Acid	Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses.	Organic Compound Analysis
November	Chapter 8 Aldehyde, Ketones and Carboxylic Acid (conti...)	Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.	Organic Compound Analysis
	Chapter 9 Amines	Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines. Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.	Organic Compound Analysis
December	Chapter 10- Biomolecules	Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates. Proteins -Elementary idea of - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), denaturation of proteins; enzymes. Hormones - Elementary idea excluding structure. Vitamins - Classification and functions. Nucleic Acids: DNA and RNA.	Organic Compound Analysis
	Revision	Revision	
January	Pre Board Examination	Pre Board Examination	
<b>ENTREPRENEURSHIP</b>			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Chapter 1 Entrepreneurial Opportunity		
		Sensing Entrepreneurial Opportunities Environment Scanning and Problem Identification Spotting Trends Creativity and Innovation • Selecting the Right Opportunity	practical project for problem identification and turn it in an opportunity
May			
June	Chapter 2: Entrepreneurial Planning	Forms of business organization- Sole proprietorship, Partnership, Company Business Plan: concept, format "Components: Organisational plan; Operational plan; Production plan; Financial plan; Marketing plan; Human Resource planning"	Project for business planning
July	Unit 3: Enterprise Marketing	Marketing and Sales Strategy Branding, Logo, Tagline Promotion Strategy	Product Marketing
August	Unit 3: Enterprise Marketing (Continue)	Negotiations - Importance and Methods Customer Relationship Management Vendor Management	Project preparation
	Chapter 4: Enterprise Growth Strategies	Franchising: Concept, types, advantages, limitations. Mergers and Acquisition: Concept, reasons, types.	
September	Chapter 4: Enterprise Growth Strategies	Reasons for failure of Mergers and Acquisitions	Chart preparation for Types of franchising
	Revision		
October	Chapter 5: Business Arithmetic	Unit of Sale, Unit Cost for multiple products or services " Break even Analysis for multiple products or services	Numerical solution
November	Unit 6: Resource Mobilization	"Capital Market- Primary and Secondary Stock Exchange- Concept, features, functions and importance" Securities and Exchange Board of India History, establishment, powers	Group discussion on financial resources
December	Unit 6: Resource Mobilization ( Continue)	Angel Investor: Features	Study Of Share market
		<b>Revision</b>	
January			
<b>PRE-BOARDS</b>			
<b>Physical Education</b>			
Month	Chapter's Name	Topics	Writing Skills/ Activity/ Practical
April	Chapt.1. Planning in sports	Methods of drawing fixtures, knockout tournaments, . league tournament, Round Robin Tournaments, Intramural, extramural Changing Trends & Career in Physical Education • Meaning & definition of Physical Education • Aims & Objectives of Physical Education • Career Options	Practical planning of league system on Board and on ground practical of different tournament pattern Drawing fixtures for the different types of tournaments
May	Chapt .1. Planning in sports (Continued)	seeding, special seeding, American method of finding winners. benefits of knockout and league matches	Practical planning of league system on Board and on ground practical of different tournament pattern
June	Chapt .2 Sports and nutrition	Nutrition, Micro Nutrients, Macro Nutrients, Minerals, BMI, Eating disorders, Anorexia, Bulimia, Pitfalls in dieting, Food Supplements	Sports Nutrition Quiz and showing video.
July	Chapt. 3. Yoga and life style	Physical Fitness, Wellness & Lifestyle • Meaning & Importance of Physical Fitness, Wellness & Lifestyle • Components of physical fitness and Wellness • Components of Health related fitness	Different asana practices and Surya Namaskar Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardha Matsyendrasana
August	Chapt.4. Sports for CWSN	Causes of Disorders, Autism , OCD, ADHD, SPD, Disability Etiquette and causes and treatment for different disorders	Making Charts on different postures. Showing Common Postural Deformities video. Types of Disability, its causes & nature (cognitive disability, intellectual disability, physical disability)
	Chapt. 5. Children and sports, Women and Sports	Causes of Disorders, Osteoporosis, Bulimia,	Making Charts on different postures. Showing Common Postural Deformities video.
September	Chapt. 6. Test, Measurement and Evaluation	Motor Fitness test General Motor Fitness – Barrow three item general motor	Practical of Motor Fitness Test "Making Charts on different postures. Showing Common Postural Deformities video."
October	Chapt. 7. Sports and medicine	Sports medicine also known as Sport and Exercise Medicine (SEM) is a branch of medicine that specialises in the treatment and prevention of injuries related to	Classification (Soft Tissue) Injuries: (Abrasion, Contusion, Laceration, Incision, Sprain & Strain) Bone & Joint
November	Chapt. 8. Biomechanics and sports	Meaning And Importance of Biomechanics in sports	Endurance - Definition, types & methods to develop Endurance – Continuous Training,

<b>December</b>		Newton law of motion & its application in sports Types of movements(flexion, Extension, Adbuction,	Interval Training & Fartlek Training
	Chapt. 9. Psychology and Sports	Understanding Stress & coping Strategies Personality; its definition & types, - Trait & Types & big five theory Motivation, its types & techniques Exercise Adherence; Reasons to Exercise, Benefits of Exercise Strategies for Enhancing Adherence to Exercise Meaning, concept & types of Aggressions in Sports	Preparation of final draft of Project File
	Chapt. 10. Training in sports	Strength-definition, types &method Endurance- definition, types &method Speed- definition, types &method Flexibility- definition, types &method Coordinative Abilities- definition and types Circuit Training – intro & importance	Preparation of final draft of Project File
<b>January</b>	<b>Pre-Board Exams</b>		
<b>APPLIED MATHEMATICS</b>			
<b>Month</b>	<b>Chapter's Name</b>	<b>Topic</b>	<b>Writing Skills/ Activity/ Practical</b>
<b>April</b>	Ch-2 Matrices	Inverse of A Matrix Solving system of simultaneous equations using matrix method Cramer's Rule Algebra of Matrices Matrices and types of Matrices Determinants Equality of Matrices Transpose of a Matrix Symmetric and Skew Symmetric Matrix	Using spreadsheet find the inverse of a matrices.
	Ch- 2 Determinants	Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples.	Draw Mid map
<b>May</b>	Ch- 2 Determinants (Continued)	solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	Solve application base Case Study
<b>June</b>	Ch-1Numbers, Quantification and Numerical Applications	Congruence Modulo Modulo Arithmetic Numerical Inequalities Alligation And Mixture Numerical Problems Boats and Streams (Upstream And Downstream) Races and Games Pipes and Cisterns	To understand the concepts of Congruence Modulo and Equivalence Class by finding congruence modulo 6 and of first 50 natural numbers. Segregate the above results on the basis of their remainders for mod 6.
	chapter -1 Relations and Functions	Components of Time Series Methods of Measuring Trend Time Series Secular Trend Time Series Analysis for Univariate Data	Collect data from newspapers on traffic, sports activities and market trends and use excel to study future trends
<b>July</b>	Ch-3A- Differentiation and its Applications	Marginal Cost and Marginal Revenue using Derivatives Maxima and Minima Application of Derivatives Higher-Order Derivatives Increasing /Decreasing Functions	Find Area between curves.
<b>August</b>	Ch- 3B- Integration	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple	<b>Activity</b> :To evaluate the definite integral from a to b of given function as the limit of a sum and verify it by actual integration.
<b>September</b>	Ch-8 Applications of the Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	
	Ch-5 Inferential Statistics	Population and Sample t-Test (One-Sample T-Test and Two Independent Groups T-Test) Parameter and Statistics and Statistical Interferences	Project Work: Analysis of population migration data – positive and negative influence on urbanization
<b>October</b>	Ch-7 Financial Mathematics	Calculation of Emi Linear Method of Depreciation Perpetuity Sinking Funds Compound Annual Growth Rate Calculation of Returns Nominal Rate of Return	Stock Market data sheet on excel.Real life examples of sinking fund, Advantages of Sinking Fund, Sinking Fund vs. Savings account
	Ch-8 Linear Programming Problem	Feasible and Infeasible Solutions Optimal Feasible Solution Introduction and Related Terminology Feasible and Infeasible Regions Mathematical Formulation of linear programming problem Graphical method of solution for problems in two variables	Assignment of a company by choosing a certain number of employees to complete the assignment within the required deadline, given that a single person works on only one job within the assignment. In this type of problem, the number of employees, the work- hours of each employee etc. are considered as constraints and the total assignment to be done is treated as objective function.
<b>November</b>	Ch-4Probability Distributions	Variance Mathematical Expectation Normal Distribution Probability Distribution Poisson Distribution Binomial Distribution	Find conditional probability of an event.
<b>December</b>	Ch-3C-Differential Equations and Modeling	Application of Differential Equations Differential Equations Formulating and Solving Differential Equations	Data Analysis through Excel
<b>January</b>	<b>Pre-Board Exams</b>		
<b>Psychology</b>			
<b>Month</b>	<b>Chapter's Name</b>	<b>Topic</b>	<b>Writing Skills/ Activity/ Practical</b>
<b>April</b>	Chapter 1 : variations in psychological attributes	<u>Assessment of Psychological Attributes</u>	Activity 1-Find out the IQ of a 14-year-old child with a mental age of 16. -Find out the mental age of a 12-year-old child with an IQ of 90.
		<u>Intelligence</u>	
		<u>Theories of Intelligence</u>	
		<u>Individual Differences in Intelligence</u>	Activity 2. Discovering the Attributes of Intelligent Persons.
		<u>Culture and Intelligence</u>	
		<u>Individual Differences in Human Functioning</u>	
		<u>Special Abilities: Aptitude: Nature and Measurement</u>	

<b>June</b>	Chapter 2 : self and personality	1. Introduction 2. Self and Personality 3. Concept of Self 24 Periods 4. Cognitive and Behavioural Aspects of Self 5. Culture and Self 6. Concept of Personality 7. Major Approaches to the Study of Personality <input type="checkbox"/> Type Approach <input type="checkbox"/> Trait Approach <input type="checkbox"/> Psychodynamic Approach <input type="checkbox"/> Behavioural Approach <input type="checkbox"/> Cultural Approach <input type="checkbox"/> Humanistic Approach 8. Assessment of Personality <input type="checkbox"/> Self-report Measures <input type="checkbox"/> Projective Techniques	Activities: 1. Understanding the Self questionnaire 2. Observe and note your behaviour characteristics and those of your friends that have been imbibed from popular youth icons 3. Personality assessment Test
<b>July</b>	Chapter 3 : meeting life challenges	1. Introduction 2. Nature, Types and Sources of Stress 3. Effects of Stress on Psychological Functioning and Health <input type="checkbox"/> Stress and Health <input type="checkbox"/> General Adaptation Syndrome <input type="checkbox"/> Stress and Immune System <input type="checkbox"/> Lifestyle 4. Coping with Stress <input type="checkbox"/> Stress Management Techniques 5. Promoting Positive Health and Well-being <input type="checkbox"/> Stress Resistant Personality <input type="checkbox"/> Life Skills <input type="checkbox"/> Positive Health	Identify the stressful events, which you and two your classmates have experienced in the past one year. List the stressful events and rank them from 1 to 5 that have had negative impact in your day-to-day functioning. then select those that are common to all three of you. Find out how much ability, skill and family support your friends and you have in order to deal with each of these stresses. Discuss these with your teacher.
<b>August</b>	Chapter 4: psychological disorders	1. Introduction 2. Concepts of Abnormality and Psychological Disorders <input type="checkbox"/> Historical Background <input type="checkbox"/> Classification of Psychological Disorders 24 Periods 4. Factors Underlying Abnormal Behaviour 5. Major Psychological Disorders <input type="checkbox"/> Anxiety Disorders <input type="checkbox"/> Obsessive-Compulsive and Related Disorders <input type="checkbox"/> Trauma-and Stressor-Related Disorders <input type="checkbox"/> Somatic Symptom and Related Disorders <input type="checkbox"/> Dissociative Disorders <input type="checkbox"/> Depressive Disorder <input type="checkbox"/> Bipolar and Related Disorders <input type="checkbox"/> Schizophrenia Spectrum and Other Psychotic Disorders <input type="checkbox"/> Neurodevelopmental Disorders <input type="checkbox"/> Disruptive, Impulse-Control and Conduct Disorders <input type="checkbox"/> Feeding and Eating Disorders <input type="checkbox"/> Substance Related and Addictive Disorders	Certain behaviours like eating sand would be considered abnormal. But not if it was done after being stranded on a beach in a plain crash. Listed below are abnormal behaviours followed by situations where the behaviours might be considered normal. - (i) talking to yourself - you are praying. - (ii) standing in the middle of the street waving your hands wildly - you are a traffic policeman. Think about this and list out similar examples.
<b>September</b>	Chapter 5 : therapeutic approaches	1. Nature and Process of Psychotherapy <input type="checkbox"/> Therapeutic relationship 2. Types of Therapies <input type="checkbox"/> Psychodynamic Therapy <input type="checkbox"/> Behaviour Therapy <input type="checkbox"/> Cognitive Therapy <input type="checkbox"/> Humanistic-Existential Therapy <input type="checkbox"/> Biomedical Therapy <input type="checkbox"/> Alternative Therapies 3. Rehabilitation of the Mentally Ill	Case Study
<b>October</b>	Chapter 6 : attitude and social cognition	1. Introduction 2. Explaining Social Behaviour 3. Nature and Components of Attitudes 4. Attitude Formation and Change <input type="checkbox"/> Attitude Formation 20 Periods <input type="checkbox"/> Attitude Change <input type="checkbox"/> Attitude-Behaviour Relationship 5. Prejudice and Discrimination 6. Strategies for Handling Prejudice 7. Social Cognition 8. Schemas and Stereotypes 9. Impression Formation and Explaining <input type="checkbox"/> Behaviour of Others through Attributions <input type="checkbox"/> Impression Formation <input type="checkbox"/> Attribution of Causality 10. Behaviour in the Presence of Others 11. Pro-social Behaviour <input type="checkbox"/> Factors Affecting Pro-social Behaviour	A Survey: Attitudes Towards Awareness of Waste Management
<b>November</b>	Chapter 7: social influence and group processes	1. Introduction 2. Nature and Formation of Groups 3. Type of Groups 4. Influence of Group on Individual Behaviour <input type="checkbox"/> Social Loafing <input type="checkbox"/> Group Polarisation 5. Conformity, Compliance and Obedience 6. Cooperation and Competition <input type="checkbox"/> Determinants of Cooperation and Competition 7. Social Identity 8. Intergroup Conflict: Nature and Causes 9. Conflict Resolution Strategies	Activity: Identifying Stages of Group Formation
<b>December</b>	Project	Students are required to administer and interpret three psychological tests related to various psychological attributes like intelligence, aptitude, attitude, personality, self-concept, adjustment, anxiety, interest etc.	In term 1 the student is introduced to administration, scoring, interpretation, & report writing of any 2 psychological tests.
<b>January</b>		The focus should be on helping the student develop an understanding of human behavior through the administration of the tests, interpretation of the scores and its application in various situations/conditions	
	Practical Conduction		In Practical examination of term 2, the student will be required to administer and interpret one psychological test.
<b>Computer Science</b>			
<b>Month</b>	<b>Chapter's Name</b>	<b>Topic</b>	<b>Writing Skills/ Activity/ Practical</b>
<b>April</b>	Revision Tour Of Python Unit 1: Computational Thinking and Programming – 2	Revision of Python topics covered in Class XI. • Functions: types of function (built-in functions, functions defined in module,	To reinforce concepts from all key units of Python and associated topics through hands-on activities and critical thinking.

<b>May</b>		user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)	
<b>June</b>	Unit -2 Functions And Exception handling	Exception Handling: Introduction, handling exceptions using try-except-finally blocks	Write a Python program to simulate a basic inventory management system using lists and dictionaries.
<b>July</b>	Binary File Handling	Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file	Use functions for input, processing, and display. Implement exception handling for invalid data types or missing values. Practical Task: Demonstrate try, except, else, and finally blocks. Create a user-defined function for division and handle divide-by-zero errors.
<b>August</b>	CSV File and Data Structure	CSV file: import csv module, open / close csv file, write into a csv file using writer(), writerow(), writerows() and read from a csv file using reader() ● Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.	Read a CSV file containing employee records. Display highest-paid employee using dictionaries. Practical Task: Use csv.reader() and csv.writer(). Create a report of employees whose salary is above a threshold
<b>September</b>	Computer Network & Concept	Unit 2: Computer Networks ● Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) ● Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) ● Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) ● Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) ● Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP	Write a short note on the difference between IP address and MAC address.  Explain client-server and peer-to-peer network models with examples.  Practical Task (Theoretical): Identify and explain different types of network topologies using diagrams.  Explain DNS, HTTP, FTP in 2-3 sentences each.
<b>October</b>	Unit :3 Data base management	Unit 3 : Database Management ● Database concepts: introduction to database concepts and its need ● Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key) ● Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	Using MySQL or any SQL environment:  Execute queries for JOIN, GROUP BY, and aggregate functions.  Import CSV data into SQL and perform search queries.
<b>November</b>	Database management II	delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	Normalization and its types. Difference between primary key and foreign key with examples. Design a relational database for a Library Management System: Create tables for books, members, and transactions. Use keys to define relationships.
<b>December</b>	Revision of all practical and theory portion	Practicals and board practicals practice and building program	
<b>January</b>	<b>Pre-Board Exams</b>		
<b>Month</b>	<b>Chapter's Name</b>	<b>Topic</b>	<b>Activity/Practicals</b>
<b>April</b>	Chapter - 1 = The Rajasthan school of painting	Introduction: rajasthan, melwa, marwad, mewad, bundi, kota, bikaner, kishangad, jodhpur	<b>Lining Work, Sketching work</b>
	The Rajasthani School of Miniature Painting	General introduction about Bhagavat puran, Shiv puran and mythological myth. Paintings: Maru Ragini, Chaugan Player, Krishna swings and Radha in sad mood, Bani Thani, Rama meets members of his family at chitrakut (16th Century A.D. to 19th Century A.D.) A brief introduction to Indian Miniature Schools: Western- Indian, Pala, Rajasthani and Pahari, Mughal and Deccan, Central India. Appreciation of art works from your syllabus from the following schools a. The Rajasthani School b. The Pahari School c. The Mughal School d. The Deccan School based on their: 1. Origin and Development 2. Sub-Schools 3. Main features 4. Characteristics 5. Aesthetic parameters 6. Competency based identification of style & technique 7. Understanding of emotions and moral values 8. Respect for life.	
<b>May</b>			<b>vection homework ; Tint and Shade</b>
<b>June</b>	Pahari School of Miniature Painting	Title Painter Krishna Lifting Mount Govardhan Miskin Falcon on a Bird-Rest Ustad Mansoor	<b>Live ; Sketching work</b>
<b>July</b>			
			<b>Folk art, Madhubani art</b>
<b>August</b>	The Mughal School of Miniature Painting	Falcon on a Bird-Rest Ustad Mansoor Kabir and Raidas Ustad Faquirullah Khan Marriage Procession of Dara Shukoh Haji Madni	Still Life, Object Drawing
<b>September</b>	The Deccan School:	Title Painter Sub-School Hazrat Nizamuddin Auliya and Amir Khusro Linkins-Hyderabad	Nature, Landscape



		Unknown Hyderabad Chand Bibi Playing Polo (Chaugan) Unknown Gol Konda	
<b>October</b>	The Bengal School of Painting and the Modern trends in Indian Art	(About the beginning to mid of the 20th Century), contribution of Indian artists towards freedom movement, Revival of Indian Art, Indian National Flag Appreciation of art works from your syllabus based on their: 1. Origin and Development 2. Main features 3. Characteristics 4. Aesthetic parameters 5. Symbolic representation in artworks. 6. Competency based identification of style & technique 7. Understanding of emotions and moral values 8. Respect for life.	Body part,
<b>November</b>	A National Flag of India :B The Bengal School of Painting	A National Flag of India: The Symbolic significance of its forms and the colours. Contribution of Indian artists in the struggle for National Freedom Movement. B The Bengal School of Painting Title Painter Journey's End Abanindranath Tagore Shiv and Sati Nandalal Bose Radhika M.A.R. Chughtai Meghdoot Ram Gopal Vijaivargiya	
<b>December</b>	The Modern Trends in Indian Art	C The Modern Trends in Indian Art Appreciation of the following contemporary (Modern) Indian Art i. i. Paintings: Rama Vanquishing the Pride of the Ocean Raja Ravi Varma Title Painter Krishna Lifting Mount Govardhan Miskin Falcon on a Bird-Rest Ustad Mansoor Kabir and Raidas Ustad Faquirullah Khan Marriage Procession of Dara Shukoh Haji Madni 14 Mother and child Jamini Roy Haldi Grinders Amrita Sher Gill Mother Teresa M.F. Hussain ii. ii. Graphic - prints: Children Somnath Hore Devi Jyoti Bhatt Of Walls Anupam Sud Man, Woman and Tree K. Laxma Goud iii. iii. Sculptures: Triumph of Labour Triumph of Labour Santhal Family Santhal Family Cries Un - heard Cries Un - heard Ganesha Ganesha	
<b>January</b>	<b>Pre- Boards Examination</b>		





# ANAND NIKETAN SCHOOL

CBSE Affiliation No: 430168

An Initiative of Sarjan Foundation

Postal Address: Mehsana Unjha Highway, Moti Dau, Mehsana 384121 Gujarat, India  
Phone: 9924100068 Email: info@anmschool.com Website: www.anmschool.com



## GRADE 12 Commerce-SPLIT UP SYLLABUS-(2025-2026)

English			
Month	Chapter	Theme/ Sub-theme	Activities
April	The Last Lesson	Infringement on the rights of people to speak a language of their choice. Prussia conquering two districts of France	Textual questions/ Extra questions/ Assignments/Character sketches
	My Mother at sixty six	Fear of Kamala Das about the death of her mother.	Textual exercises/Literary devices/ Worksheet
	The Third Level	Charlie's escapism to an unknown parallel world.	Assignments, comprehensions, character sketches and value based questions
	Notice Writing	Drafting notices for various events and occasions	Notice drafting
June	Lost Spring	The acceptance of poverty, exploitation as destiny and a dire need to provide the poverty-stricken people, especially the children, a life of dignity and opportunities to dare, dream and do.	Assignments, character analyse and debate.
	Keeping Quiet	Importance of having peace and unity in the world.	Assignments, comprehension questions and poetic devices.
	Deep Water	A real life personal account of experiencing fear and the steps to overcome it.	Textual questions/ Extra questions/ Assignments/Character sketches
	Formal invitations and replies	Drafting formal and informal invitations and replies for various occasions	Drafting formal and informal invitations and replies for various occasions
July	The Rat Trap	The story has a universal theme that the essential goodness in a human being can be awakened through understanding and love.	Textual exercises/Extracts/ Value based/ Character sketches
	Journey to the end of the Earth	Tishani Doshi describes the journey to the coldest, driest and windiest continent in the world: Antarctica.	Assignment/ Comprehension questions – Textual questions/ Extra questions/ Value based questions
	The Tiger King	The story is a satire on the conceit of those in power.	Textual exercises/Extracts/ Value based/ Character sketches
	Indigo	The leadership shown by Mahatma Gandhi to secure justice for oppressed people through convincing argumentation and negotiation.	Textual exercises/Extracts/ Value based/ Character sketches
August	Letter Writing - Editor and job Application	Importance of writing formal letters like job applications including resume	Drafting job application letters and letters to editor
	A Thing of Beauty	The natural bounties are all beautiful things that fill us with joy and remove the gloom in life.	Assignments, comprehension questions and poetic devices.
September		Dr.Sadao encounters the dilemma-to live as a private individual whose moral ethical responsibility is to save the soldier or to let the prisoner die	Textual exercises/Extracts/ Value based/ Character sketches
	The Enemy		
	Report writing - Magazines and newspaper	Importance of writing magazine and newspaper reports.	Drafting reports
October	Poets and pancakes	The author talks about the Gemini studios set up in Chennai. It was one of the most influential film producing organisations of India in the early days of Indian film making.	Textual exercises/Extracts/ Value based/ Character sketches
	On the face of it	The lesson is about the pain and isolation the physically handicapped go through.	Textual exercises/Extracts/ Value based/ Character sketches
	A Roadside Stand	The poet presents the lives of poor, deprived people with pitiless clarity and with the deepest sympathy and humanity.	Assignments, comprehension questions and poetic devices.
	Article Writing	Importance of writing articles.	Drafting articles
November	The Interview - Part I&2	Part I– Interview in the field of journalism. Part II -is an extract from an interview of Umberto Eco.	Textual exercises/Extracts/ Value based/ Character sketches
	Aunt Jennifer's Tigers	The poem showcases a fair interplay between rebellion and repression, the individual and the social and between personal and political aspects of male chauvinism and suffocation in a married life.	Assignments, comprehension questions and poetic devices.
December	Going Places	Deals with the theme of adolescent fantasising and hero worship	Textual exercises/Extracts/ Value based/Character sketches
	Memories of Childhood - Part I&2	The story presents autobiographical episodes from the lives of two women and is an insight into humiliations suffered by the marginalised communities and their relationship with the mainstream culture.	Textual exercises/Extracts/ Value based/Character sketches
January	Revision		
Accountancy			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	PART -2 Chapter 1 Accounting for share capital	Introduction of Share and share capital: nature and types, Issue of Shares, Accounting treatment for forfeiture and reissue of shares	Study about Joint Stock Companies Act
	TEST	Accounting for Share Capital	
May			
June	2. Accounting For Debentures	Journal entries for Issue of Debentures, Journal entries with the terms of Redemption, Issue of Debentures as Collateral Security, Issue of Debentures other than Cash	Format of Journal
	3. Financial Statements of the Company	Major head- Sub Heads	Format of Company's Profit and Loss Statement and Balance Sheet
	4. Comparative-Commonsize Statements	Comparative Balance Sheet and Profit and Loss Statement, Commonsize Balance Sheet and Profit and Loss Statement	
	5. Accounting Ratios	Calculation of different Ratios and Interpretation	
July	3. Cash flow statement	Preparation of Cash flow statement	
	3. Cash flow statement	Preparation of Cash flow statement	
August	PART-1 1. Accounting for Partnership Firms - Basic Concepts	Partnership: features, Partnership Deed. • Provisions of the Indian Partnership Act 1932 Fixed v/s fluctuating capital accounts.Preparation of Profit and Loss Appropriation Account, Division of profit among partners, guarantee of profits to a partner, Past Adjustments	Format of Partners' Capital Accounts
	2. Admission of new partner	New profit sharing ratio, Sacrificing Ratio, Goodwill, Revaluation Account and Partners Capital account, Adjustment of Capitals	Format of Revaluation Account
	Revision		
September			
October	2. Admission of new partner	Change in Profit Sharing ratio among the Existing Partners	
	3. Retirement/Death of a Partner	Ascertaining the Amount due to Retiring/Deceased Partner, New Profit Sharing Ratio, Gaining ratio, Treatment of goodwill (as per AS 26), Adjustments for revaluation of assets and reassessment of liabilities, Revaluation account, Partners Capital Account	Format of Retiring/Deceased Partner's Capital Account
	3. Retirement/Death of a Partner	Executor's Loan Account	Format of Executor's Loan Account
November	Dissolution of Partnership Firms	Dissolution of Partnership, Dissolution of Partnership Firms, Settlement of Accounts, Accounting Treatment	Format of Realisation Account
December	Revision		
January	Pre-Board Exam		
Business Studies			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	1. Nature and Significance of Management	Management - concept, objectives, and importance Management as science, art and profession Levels of Management Management Functions - planning, organizing, staffing, directing and controlling Coordination - concept and importance	Chart for levels of management
	2. Principles of Management	Principles of Management - concept and significance Fayol's principles of management Taylor's scientific management- principles and techniques	A detailed case study for scientific principles of management

May	Test	Test	
June	3. Business Environment	Business Environment - concept and importance Dimensions of Business Environment - Economic, Social, Technological, Political and Legal Demonetization - concept and features	Study of business environment from current industrial situations
July	11. Marketing	Marketing – concept, functions and philosophies Marketing Mix – concept and elements Product – branding, labelling and packaging – concept Price - Concept, Factors determining price Physical Distribution – concept, components and channels of distribution Promotion – Concept and elements, Advertising, Personal Selling, Sales Promotion and Public Relations	Prepare a project for a new product marketing mix
August	4. Planning	Planning: concept, importance and limitation Planning process Single use and Standing Plans. Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme	Chart and a mind map for types of plans
	5. Organizing	Organising: Concept and importance Organising Process Structure of organisation- functional and divisional concept. Formal and informal organization - concept Delegation: concept, elements and importance Decentralization: concept and importance	Group discussion on formal and informal concept of organisation
	6. Staffing	Staffing: Concept and importance of staffing Staffing as a part of Human Resource Management concept Staffing process Recruitment process Selection – process Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training	Case study for recruitment and selection
September	7. Directing	Directing: Concept and importance Elements of Directing Motivation - concept, Maslow's hierarchy of needs, Financial and non-financial incentives Leadership - concept, styles - authoritative, democratic and laissez faire Communication - concept, formal and informal communication; barriers to effective communication, how to overcome the barriers?	Stories of Successful business leaders
October	8. Controlling	Controlling - Concept and importance Relationship between planning and controlling Steps in process of control	Chart for steps in the process of controlling
November	9. Financial Management	Financial Management: Concept, role and objectives Financial decisions: investment, financing and dividend - Meaning and factors affecting Financial Planning - concept and importance Capital Structure – concept and factors affecting capital structure Fixed and Working Capital - Concept and factors affecting their requirements	Discussion on Financial planning of Current firm
	10. Financial Markets	Financial Markets: Concept Money Market: Concept Capital market and its types (primary and secondary) Stock Exchange - Functions and trading procedure Securities and Exchange Board of India (SEBI) - objectives and functions	Study of Role of SEBI
December	12. Consumer Protection	Consumer Protection: Concept and importance The Consumer Protection Act, 2019: Meaning of consumer, Rights and responsibilities of consumers Who can file a complaint?, Redressal machinery, Remedies available Consumer awareness - Role of consumer organizations and Non-Governmental Organizations (NGOs)	Case study based on Consumer Protection Act and rights and responsibilities of a consumer
January	Revision and Pre-Boards		
Economics			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Indian Economic Development : Chapter 1 Indian Economy on the Eve of Independence	become familiar with the state of the Indian economy in 1947, the year of India's Independence, understand the factors that led to the underdevelopment and stagnation of the Indian economy.	Prepare a list of goods and services that were available to people in pre-independence India in rural and urban areas. Compare it with the consumption pattern of such goods and services by the people today. Highlight the perceptible difference in the people's standard of living.
	Indian Economic Development : Chapter 2 Indian Economy 1950-1990	The goals of Five Year Plans Agriculture Industry and trade Trade policy : Important substitution	Prepare pie chart on the occupational structure of the Indian economy.
	Introductory Macroeconomics : Chapter 1 Introduction	Introductory Macroeconomics : Chapter 1 Introduction	Differentiate between : Microeconomics & Macroeconomics
	Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
May	Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
June	Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
July	Indian Economic Development : Chapter 3 Liberalisation, Globalisation and Privatisation	Background Liberalisation Globalisation Privatisation Indian economy during reforms	Was it necessary for India to introduce economic reforms at the behest of World Bank and International Monetary Fund? Was there no alternative for the government to solve the balance of payments crisis? Discuss in the classroom.
	Introductory Macroeconomics : Chapter 3 Money and Banking	Functions of money Demand and supply of money Money creation by banking system Policy tools to control money supply	Numerical problems on : Money supply Money creation
August	Indian Economic Development : Chapter 4 Human Capital Formation In India	What is human capital? Sources of human capital Human capital and human development State of human capital formation in India Education sector in India Future prospects	Identify how Human Development Index is calculated. What is the position of India in the World Human Development Index?
	Introductory Macroeconomics : Chapter 4 Determination of Income and Employment	Aggregate demand & aggregate supply Income determination and multiplier Excess demand and deficient demand	Curves related to various functions of economy Numerical problems on : APC, APS, MPC, MPS Investment Multiplier 'K'

September	Indian Economic Development : Chapter 5 Rural Development	What is rural development? Credit marketing in rural areas Agriculture market system Diversification in product activities Sustainable development and organic farming	Enlist some problems faced by farmers during the initial years of organic farming.
	Introductory Macroeconomics : Chapter 5 Governmen Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numericals problems on : Revenue deficit Fiscal deficit Primary deficit
October	Indian Economic Development : Chapter 6 Employment : Growth, Informalisation and Other Issues	Workers and employment Participation of people in employment Self-employed and hired workers Employment in firms, factories and offices Growth and changing structure of employment Informalisation of Indian workforce Government and employment generation	In recent years, you may have noticed that many voluntary organisations also take initiatives to generate employment in hilly and dry land regions. If you find such initiatives in your locality, visit and prepare a report
	Introductory Macroeconomics : Chapter 5 Governmen Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numericals problems on : Revenue deficit Fiscal deficit Primary deficit
November	Indian Economic Development : Chapter 7 Environment and sustainable development	Environment : definition and functions State of India's environment Sustainable development Strategies for sustainable development	Prepare a chart on the causes and remedies of soil erosion in India.
	Introductory Macroeconomics : Chapter 5 Governmen Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numericals problems on : Revenue deficit Fiscal deficit Primary deficit
December	Indian Economic Development : Chapter 8 Comparative Development Experiences of India and Neighbous	Developmental path - A snapshot Demographic indicators GDP and sectors Indicators of human development Development strategies - An appraisal	A class debate on the issue of free trade between India and China and India and Pakistan.
	Introductory Macroeconomics : Chapter 6 Open Economy Macroeconomics	The balance of payments Foreign exchange rate	Numerical problems on : Current account balance Capital account balance
January	AISSEE - Practical / Viva 2025-26		
ENTREPRENEURSHIP			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Chpter 1 Entrepreneurial Opportunity		
		Sensing EntrepreneurialOpportunities Environment Scanning and Problem Identification Spotting Trends Creativity and Innovation • Selecting the Right Opportunity	practical project for problem identification and turn it in an opportunity
May			
June	Chapter 2: Entrepreneurial Planning	Forms of business organization- Soleproprietorship, Partnership, Company Business Plan: concept, format "Components: Organisational plan; Operational plan; Production plan; Financial plan; Marketing plan; Human Resource planning"	Project for business planning
July	Unit 3: Enterprise Marketing	Marketing and Sales Strategy Branding, Logo, Tagline Promotion Strategy	Product Marketing
August	Unit 3: Enterprise Marketing (Continue)  Chpater 4: Enterprise Growth Strategies	Negotiations - Importance and Methods Customer Relationship Management Vendor Management  Franchising: Concept, types, advantages,limitations. Mergers and Acquisition: Concept,reasons, types.	Project preparation
September	Chapter 4: Enterprise Growth Strategies Revision	Reasons for failure of Mergers and Acquisitions	Chart preparation for Types of franchising
October	Chapter 5: Business Arithmetic	Unit of Sale, Unit Cost for multiple products or services " Break even Analysis for multiple products or services	Numerical solution
November	Unit 6: Resource Mobilization	"Capital Market- Primary and Secondary Stock Exchange- Concept, features, functions and importance" Securities and Exchange Board of India/History, establishment, powers	Group discussion on financial resources
December	Unit 6: Resource Mobilization ( Continue)	Angel Investor: Features	Study Of Share market
Revision			
January			
PRE-BOARDS			
Physical Education			
Month	Chapter's Name	Topics	Writing Skills/ Activity/ Practical
April	Chapt.1. Planning in sports	Methods of drawing fixtures, knockout tournaments, league tournament, Round Robin Tournaments, Intramural, extramural  Changing Trends & Career in Physical Education • Meaning & definition of Physical Education • Aims & Objectives of Physical Education • Career Options	Practical planning of league system on Board and on ground practical of different tournament pattern  Drawing fixtures for the different types of tournaments
May	Chapt. 1. Planning in sports (Continued)	seeding, special seeding, American method of finding winners,benefits of knockout and league matches	Practical planning of league system on Board and on ground practical of different tournament pattern
June	Chapt. 2 Sports and nutrition	Nutrition, Micro Nutrients, Macro Nutrients, Minerals, BMI, Eating disorders, Anorexia, Bulimia  Pitfalls in dieting, Food Supplements	Sports Nutrition Quiz and showing video.
July	Chapt. 3. Yoga and life style	Physical Fitness, Wellness & Lifestyle • Meaning & Importance of Physical Fitness, Wellness & Lifestyle • Components of physical fitness and Wellness • Components of Health related fitness	Different asana practices and Surya Namaskar Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardh Matsyendrasana
August	Chapt.4. Sports for CWSN  Chapt. 5. Children and sports, Women and Sports	Causes of Disorders, Autism , OCD,ADHD, SPD, Diabulitir Etiquette and causes and treatment for different disorders  Cassues of Disorders, Osteoporosis, Bulimia,	Making Charts on different postures. Showing Common Postural Deformities video. Types of Disability, its causes & nature (cognitive disability, intellectual disability, physical disability)  Making Charts on different postures. Showing Common Postural Deformities video.
September	Chapt. 6. Test, Measurement and Evaluation	Motor Fitness test General Motor Fitness – Barrow three item general motor	Practical of Motor Fitness Test "Making Charts on different postures. Showing Common Postural Deformities video."
October	Chapt. 7. Sports and medicine	Sports medicine also known as Sport and Exercise Medicine (SEM) is a branch of medicine that specialises in the treatment and prevention of injuries related to	Classification (Soft Tissue) Injuries (Abrasion, Contusion, Laceration, Incision, Sprain & Strain) Bone & Joint
November	Chapt. 8. Biomechanics and sports	Meaning And Importance of Biomechanics in sports Newton law of motion & its application in sports Types of movements(flexion, Extension, Adbuction,	Endurance - Definition, types & methods to develop Endurance – Continuous Training, Interval Training & Fartlek Training
December	Chapt. 9. Psychology and Sports	Understanding Stress & coping Strategies Personality: its definition & types, - Trait & Types & big five theory Motivation, its types & techniques Exercise Adherence; Reasons to Exercise, Benefits of Exercise Strategies for Enhancing Adherence to Exercise Meainpe, conceat & types of Aggressions in Sports	Preparation of final draft of Project File

	Chapt. 10. Training in sports	Strength-definition, types &method Endurance- definition, types &method Speed- definition, types &method Flexibility- definition, types &method Coordinative Abilities- definition and types Circuit Training – intro & importance	Preparation of final draft of Project File
January	Pre-Board Exams		
	APPLIED MATHEMATICS		
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Ch-2 Matrices	Inverse of A Matrix Solving system of simultaneous equations using matrix method Cramer's Rule Algebra of Matrices Matrices and types of Matrices Determinants Equality of Matrices Transpose of a Matrix Symmetric and Skew Symmetric Matrix	Using spreadsheet find the inverse of a matrices.
	Ch- 2 Determinants	Determinant of a square matrix (up to $3 \times 3$ matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples.	Draw Mid map
May	Ch- 2 Determinants (Continued)	solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	Solve application base Case Study
June	Ch-1Numbers, Quantification and Numerical Applications	Congruence Modulo Modulo Arithmetic Numerical Inequalities Alligation And Mixture Numerical Problems Boats and Streams (Upstream And Downstream) Races and Games Pipes and Cisterns	To understand the concepts of Congruence Modulo and Equivalence Class by finding congruence modulo 6 and of first 50 natural numbers. Segregate the above results on the basis of their remainders for mod 6.
	chapter -1 Relations and Functions	Components of Time Series Methods of Measuring Trend Time Series Secular Trend Time Series Analysis for Univariate Data	Collect data from newspapers on traffic, sports activities and market trends and use excel to study future trends
July	Ch-3A- Differentiation and its Applications	Marginal Cost and Marginal Revenue using Derivatives Maxima and Minima Application of Derivatives Higher-Order Derivatives Increasing/Decreasing Functions	Find Area between curves.
August	Ch- 3B- Integration	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple	Activity : To evaluate the definite integral from a to b of given function as the limit of a sum and verify it by actual integration.
September	Ch-8 Applications of the Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	
	Ch-5 Inferential Statistics	Population and Sample t-Test (One-Sample T-Test and Two Independent Groups T-Test) Parameter and Statistics and Statistical Interferences	Project Work: Analysis of population migration data – positive and negative influence on urbanization
October	Ch-7 Financial Mathematics	Calculation of Emi Linear Method of Depreciation Perpetuity Sinking Funds Compound Annual Growth Rate Calculation of Returns Nominal Rate of Return	Stock Market data sheet on excel. Real life examples of sinking fund, Advantages of Sinking Fund, Sinking Fund vs. Savings account
	Ch-8 Linear Programming Problem	Feasible and Infeasible Solutions Optimal Feasible Solution Introduction and Related Terminology Feasible and Infeasible Regions Mathematical Formulation of linear programming problem Graphical method of solution for problems in two variables	Assignment of a company by choosing a certain number of employees to complete the assignment within the required deadline, given that a single person works on only one job within the assignment. In this type of problem, the number of employees, the work- hours of each employee etc. are considered as constraints and the total assignment to be done is treated as objective function.
November	Ch-4Probability Distributions	Variance Mathematical Expectation Normal Distribution Probability Distribution Poisson Distribution Binomial Distribution	Find conditional probability of an event.
December	Ch-3C-Differential Equations and Modeling	Application of Differential Equations Differential Equations Formulating and Solving Differential Equations	Data Analysis through Excel
January	Pre-Board Exams		
	Mathematics		
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Ch-3 Matrices	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication Noncommutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).	Mind map
	Ch- 4 Determinants	Determinant of a square matrix (up to $3 \times 3$ matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples.	Quiz
May	Ch- 4 Determinants (Continued)	solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	-
June	Ch-1 Relations and Functions	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.	Activity 1: To verify that the relation R in the set L of all lines in a plane, defined by $R = \{ (l, m) : l \text{ is parallel to } m \}$ is an equivalence relation.
	Ch-2 Inverse Trigonometric Functions	Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions	Activity 2: To draw the graph of $\sin^{-1} x$ , using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y = x$ )
July	Ch- 5 Continuity and Differentiability	Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, like $\sin^{-1} x$ , $\cos^{-1} x$ and $\tan^{-1} x$ , derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives	Activity 3: To verify Rolle's Theorem.
August	Ch- 6 Applications of Derivatives	Applications of derivatives: rate of change of quantities, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate	Activity 4: To understand the concepts of decreasing and increasing functions Activity 5: To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.
	Ch- 7 Integrals	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them: Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals	Activity 6: To evaluate the definite integral from a to b of given function as the limit of a sum and verify it by actual integration.
September	Ch-8 Applications of the Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	-
	Ch- 12 Linear Programming	Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).	Group assessment
October	Ch- 10 Vectors	Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.	Activity 7: To verify that angle in a semicircle is a right angle, using vector method.
	Ch- 11 Three - dimensional Geometry	Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines	Activity 8 : To sketch the graphs of a rise to $x$ and $\log x$ , $a > 0$ , $a$ is not equal to 1 and to examine that they are mirror images of each other. Activity 9 : To measure the shortest distance between two skew lines and verify it analytically.
November	Ch- 13 Probability	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean of random variable.	Activity 10: To explain the computation of conditional probability of a given event A when event B has already occurred, through an example of throwing a pair of dice.

December	Ch- 9 Differential Equations	Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $dy/dx + py = q$ , where $p$ and $q$ are functions of $x$ or constants. $dx/dy + px = q$ , where $p$ and $q$ are functions of $y$ or constants	Mind Map
January	Pre-Board Exams		
Computer Science			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Revision Tour Of Python Unit 1: Computational Thinking and Programming – 2	Revision of Python topics covered in Class XI. ● Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)	To reinforce concepts from all key units of Python and associated topics through hands-on activities and critical thinking.
May			
June	Unit -2 Functions And Exception handling	Exception Handling: Introduction, handling exceptions using try-except-finally blocks ● Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths ● Text file: opening a text file, text file open modes ( $r$ , $r+$ , $w$ , $w+$ , $a$ , $a+$ ), closing a text file, opening a file using with clause, writing/appending data to a text file using <code>writer()</code> and <code>writelines()</code> , reading from a text file using <code>read()</code> , <code>readline()</code> and <code>readlines()</code> , seek and tell methods, manipulation of data in a text file ● Binary file: basic operations on a binary file: open using file open mod	Write a Python program to simulate a basic inventory management system using lists and dictionaries. Include operations like add, update, delete, search. Display the flow using a flowchart or pseudocode. Practical Task: Create a menu-driven Python application that: Allows users to add product name, quantity, and price. Calculates the total value of inventory. Uses loops and conditional statements.
July	Binary File Handling	Binary file: basic operations on a binary file: open using file open modes ( $rb$ , $rb+$ , $wb$ , $wb+$ , $ab$ , $ab+$ ), close a binary file, import pickle module, <code>dump()</code> and <code>load()</code> method, read, write/create, search, append and update operations in a binary file	Use functions for input, processing, and display. Implement exception handling for invalid data types or missing values. Practical Task: Demonstrate try, except, else, and finally blocks. Create a user-defined function for division and handle divide-by-zero errors.
August	CSV File and Data Structure	CSV file: import csv module, open / close csv file, write into a csv file using <code>writer()</code> , <code>writerow()</code> , <code>writerows()</code> and read from a csv file using <code>reader()</code> ● Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.	Read a CSV file containing employee records. Display highest-paid employee using dictionaries. Practical Task: Use <code>csv.reader()</code> and <code>csv.writer()</code> . Create a report of employees whose salary is above a threshold.
September	Computer Network & Concept	Unit 2: Computer Networks ● Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) ● Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) ● Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) ● Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) ● Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP	Write a short note on the difference between IP address and MAC address. Explain client-server and peer-to-peer network models with examples. Practical Task (Theoretical): Identify and explain different types of network topologies using diagrams. Explain DNS, HTTP, FTP in 2-3 sentences each.
October	Unit :3 Data base management	Unit 3: Database Management ● Database concepts: introduction to database concepts and its need ● Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key) ● Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type ( <code>char(n)</code> , <code>varchar(n)</code> , <code>int</code> , <code>float</code> , <code>date</code> ), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using <code>connect()</code> , <code>cursor()</code> , <code>execute()</code> , <code>commit()</code> , <code>fetchone()</code> , <code>fetchall()</code> , <code>rowcount</code> , creating database connectivity applications, use of % format specifier or <code>format()</code> to perform queries	Using MySQL or any SQL environment: Execute queries for JOIN, GROUP BY, and aggregate functions. Import CSV data into SQL and perform search queries.
November	Database management II	delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using <code>connect()</code> , <code>cursor()</code> , <code>execute()</code> , <code>commit()</code> , <code>fetchone()</code> , <code>fetchall()</code> , <code>rowcount</code> , creating database connectivity applications, use of % format specifier or <code>format()</code> to perform queries	Normalization and its types. Difference between primary key and foreign key with examples. Design a relational database for a Library Management System: Create tables for books, members, and transactions. Use keys to define relationships.
December	Revision of all practical and theory portion	Practicals and board practicals practice and building program	
January	Pre-Board Exams		
Painting			
Month	Chapter's Name	Topic	Activity/Practicals
April	Chapter - 1 = The Rajasthan school of painting	Introduction: rajasthan, melwa, marwad, mewad, bundi, kota, bikaner, kishangad, jodhpur	Lining Work, Sketching work
	The Rajasthani School of Miniature Painting	General introduction about Bhagavat puran, Shiv puran and mythological myth. Paintings: Maru Ragini, Chaugan Player, Krishna swings and Radha in sad mood, Bani Thani, Rama meets members of his family at chitrakut (16th Century A.D. to 19th Century A.D.) A brief introduction to Indian Miniature Schools: Western- Indian, Pala, Rajasthani and Pahari, Mughal and Deccan, Central India. Appreciation of art works from your syllabus from the following schools a. The Rajasthani School b. The Pahari School c. The Mughal School d. The Deccan School based on their: 1. Origin and Development 2. Sub-Schools 3. Main features 4. Characteristics 5. Aesthetic parameters 6. Competency based identification of style & technique 7. Understanding of emotions and moral values 8. Respect for life.	
May			vection homework ; Tint and Shade
June	Pahari School of Miniature Painting	Title Painter Krishna Lifting Mount Govardhan Miskin Falcon on a Bird-Rest Ustad Mansoor	Live ; Sketching work
July			Folk art, Madhubani art

	The Mughal School of Miniature Painting	Falcon on a Bird-Rest Ustad Mansoor Kabir and Raidas Ustad Faquirullah Khan Marriage Procession of Dara Shukoh Haji Madni	
<b>August</b>			Still Life, Object Drawing
<b>September</b>	The Deccan School:	Title Painter Sub-School Hazrat Nizamuddin Auliya and Amir Khusro Unknown Hyderabad Chand Bibi Playing Polo (Chaugan) Unknown Gol Konda	Nature, Landscape
<b>October</b>	The Bengal School of Painting and the Modern trends in Indian Art	(About the beginning to mid of the 20th Century), contribution of Indian artists towards freedom movement, Revival of Indian Art, Indian National Flag Appreciation of art works from your syllabus based on their: 1. Origin and Development 2. Main features 3. Characteristics 4. Aesthetic parameters 5. Symbolic representation in artworks. 6. Competency based identification of style & technique 7. Understanding of emotions and moral values 8. Respect for life.	Body part,
<b>November</b>	A National Flag of India :B The Bengal School of Painting	A National Flag of India: The Symbolic significance of its forms and the colours. Contribution of Indian artists in the struggle for National Freedom Movement. B The Bengal School of Painting	
<b>December</b>	The Modern Trends in Indian Art	C The Modern Trends in Indian Art Appreciation of the following contemporary (Modern) Indian Art i. i. Paintings: Rama Vanquishing the Pride of the Ocean Raja Ravi Varma Title Painter Krishna Lifting Mount Govardhan Miskin Falcon on a Bird-Rest Ustad Mansoor Kabir and Raidas Ustad Faquirullah Khan Marriage Procession of Dara Shukoh Haji Madni 14 Mother and child Jamini Roy Haldi Grinders Amrita Sher Gill Mother Teresa M.F. Hussain ii. ii. Graphic - prints: Children Somnath Hore Devi Jyoti Bhatt Of Walls Anupam Sud Man, Woman and Tree K. Laxma Goud iii. iii. Sculptures: Triumph of Labour Triumph of Labour Santhal Family Santhal Family Cries Un - heard Cries Un - heard Ganesha Ganesha	
<b>January</b>	<b>Pre- Boards Examination</b>		



# ANAND NIKETAN SCHOOL

CBSE Affiliation No: 430168

An initiative of Sarjan Foundation

Postal Address: Mehsana Unjha Highway, Moti Dau, Mehsana 384121 Gujarat, India  
Phone: 9924100068 Email: info@anmschool.com Website: www.anmschool.com



## GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)

English			
Month	Chapter	Theme/ Sub-theme	Activities
April	The Last Lesson	Infringement on the rights of people to speak a language of their choice. Prussia conquering two districts of France	Textual questions/ Extra questions/ Assignments/Character sketches
	My Mother at sixty six	Fear of Kamala Das about the death of her mother.	Textual exercises/Literary devices/ Worksheet
	The Third Level	Charlie's escapism to an unknown parallel world.	Assignments, comprehensions, character sketches and value based questions
	Notice Writing	Drafting notices for various events and occasions	Notice drafting
June	Lost Spring	The acceptance of poverty, exploitation as destiny and a dire need to provide the poverty-stricken people, especially the children, a life of dignity and opportunities to dare, dream and do.	Assignments, character analyse and debate.
	Keeping Quiet	Importance of having peace and unity in the world.	Assignments, comprehension questions and poetic devices.
	Deep Water	A real life personal account of experiencing fear and the steps to overcome it.	Textual questions/ Extra questions/ Assignments/Character sketches"
	Formal invitations and replies	Drafting formal and informal invitations and replies for various occasions	Drafting formal and informal invitations and replies for various occasions
July	The Rat Trap	The story has a universal theme that the essential goodness in a human being can be awakened through understanding and love.	Textual exercises/Extracts/ Value based/ Character sketches
	Journey to the end of the Earth	Tishani Doshi describes the journey to the coldest, driest and windiest continent in the world: Antarctica.	Assignment/ Comprehension questions – Textual questions/ Extra questions/ Value based questions
	The Tiger King	The story is a satire on the conceit of those in power.	Textual exercises/Extracts/ Value based/ Character sketches
August	Indigo	The leadership shown by Mahatma Gandhi to secure justice for oppressed people through convincing argumentation and negotiation.	Textual exercises/Extracts/ Value based/ Character sketches
	Letter Writing - Editor and job Application	Importance of writing formal letters like job applications including resume	Drafting job application letters and letters to editor
	A Thing of Beauty	The natural bounties are all beautiful things that fill us with joy and remove the gloom in life.	Assignments, comprehension questions and poetic devices.
September		Dr.Sadao encounters the dilemma-to live as a private individual whose moral ethical responsibility is to save the soldier or to let the prisoner die	Textual exercises/Extracts/ Value based/ Character sketches
	The Enemy		
October	Report writing - Magazines and newspaper	Importance of writing magazine and newspaper reports.	Drafting reports
	Poets and pancakes	The author talks about the Gemini studios set up in Chennai. It was one of the most influential film producing organisations of India in the early days of Indian film making.	Textual exercises/Extracts/ Value based/ Character sketches
	On the face of it	The lesson is about the pain and isolation the physically handicapped go through.	Textual exercises/Extracts/ Value based/ Character sketches
	A Roadside Stand	The poet presents the lives of poor, deprived people with pitiless clarity and with the deepest sympathy and humanity.	Assignments, comprehension questions and poetic devices.
November	Article Writing	Importance of writing articles.	Drafting articles
	The Interview - Part 1&2	Part I- Interview in the field of journalism. Part II -is an extract from an interview of Umberto Eco,	Textual exercises/Extracts/ Value based/ Character sketches
	Aunt Jennifer's Tigers	The poem showcases a fair interplay between rebellion and repression, the individual and the social and between personal and political aspects of male chauvinism and suffocation in a married life.	Assignments, comprehension questions and poetic devices.
December	Going Places	Deals with the theme of adolescent fantasising and hero worship	Textual exercises/Extracts/ Value based/Character sketches
	Memories of Childhood - Part 1&2	The story presents autobiographical episodes from the lives of two women and is an insight into humiliations suffered by the marginalised communities and their relationship with the mainstream culture.	Textual exercises/Extracts/ Value based/Character sketches
January	Revision		

## Political Science

### GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)

Political Science			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Part-1 Chapter 1- The End of Bipolarity	Topics to be focused: a) The Soviet System b) Gorbachev and the disintegration c) Causes and Consequences of disintegration of Soviet Union d) Shock Therapy and its Consequences e) New entities in world politics f) Russia g) Balkan States h) Central Asian States i) India's relations with Russia and other post-communist countries	Group Discussion: Causes and consequences of disintegration of USSR Documentaries-Past & present situations in USSR/Post Soviet Republics Analysis of relevant newspaper articles
	Part-1 Chapter 2Contemporary Centres of Power	Topics to be focused: a) European Union b) Association of Southeast Asian Nations	Discussion: Importance on regional organisations Comparative study:
June	Part-1 Chapter 2Contemporary Centres of Power (conti...)	c) Rise of China as an economic power d) Japan and South Korea as emerging powers	Economic growth of China, Japan and South Korea. Use of timeline Inquiry based learning Map activity Interpretation of cartoons/ Pictures/ Newspaper clippings
	Part-2 Chapter:1Challenges of Nation-Building	Topics to be focused: a) Challenges for the new Nation. b) Three Challenges. c) Partition: Displacement and Rehabilitation. d) Consequences of Partition.	Documentaries Discussion: Causes and consequences of Partition Live Experiences-Meeting People who lived through this period.
July	Part-2 Chapter:1Challenges of Nation-Building	c) Integration of Princely States. d) The problem e) Government's approach f) Hyderabad g) Manipur d) Reorganisation of States	Cartoon Interpretation Map Activity
	Part-2 Chapter:3Politics of Planned Development	Politics of Planned Development Topics to be focussed: a) Political contestation. b) Ideas of Development. c) Planning d) Planning Commission b) The Early Initiatives c) The First Five Year Plan. d) Rapid Industrialisation	Politics of Planned Development Topics to be focussed: a) Political contestation. b) Ideas of Development. c) Planning d) Planning Commission b) The Early Initiatives c) The First Five Year Plan. d) Rapid Industrialisation
August	Part-2 Chapter:2 Era of One-Party Dominance	Era of One-Party Dominance Topics to be focussed: a) Challenge of building democracy b) Congress dominance in the first three general elections. c) Nature of Congress dominance d) Congress as social and ideological coalition. e) Tolerance and management of Factions c) Emergence of opposition parties	Maps/Cartoons Question strategy Quiz
	Part-2 Chapter:4 India's External Relations	a) International Context b) The Policy of NonAlignment. c) Nehru's role d) Distance from two camps. e) Afro Asian Unity c) Peace and conflict with China f) The Chinese Invasion1962 g) War and Peace with Pakistan h) Bangladesh War 1971 d) India's Nuclear Policy.	Presentation: NAM founders, objectives, principles and its relevance in contemporary world politics Group discussion: India's relations with China and Pakistan (past, present and future) Debate: India's stand on shifting alliances Research and Report Writing



September	Part-1 Chapter:3Contemporary South Asia	Topics to be focused: a) Military and Democracy in Pakistan and Bangladesh b) Monarchy and Democracy in Nepal c) Ethnic Conflict and Democracy in Sri Lanka d) India-Pakistan Conflicts e) India and its Neighbours f) Peace and Cooperation	Map activity Comparative Analysis: Political systems of South Asian countries Use of Historical data Interpretation of cartoons/Pictures /Newspaper clippings Discussion: Current economic crisis in Sri Lanka and Pakistan
October	Part-1 Chapter:4 International Organizations	a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations d) Principal Organs of UN e) Reform of the UN after Cold War f) Reform of Structures, Processes and Jurisdiction of the UN g) India and the UN Reforms h) Key Agencies: IMF, World Bank, WTO, ILO, IAEA. i) NGO: Amnesty International, Human Rights Watch. j) Implications and Future of International Organizations	Discussion and debate: Necessary reforms of the UN After completion of the chapter, Students will be able to: Topics to be focused: a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations d) Principal Organs of UN e) Reform of the UN after Cold War f) Reform of Structures, Processes and Jurisdiction of the UN g) India and the UN Reforms Interpretation of cartoons /Newspaper clippings Quiz Model United Nations
	Part-2 Chapter:5Challenges to and Restoration of the Congress System	Topics to be focused: a) Challenge of Political Succession □ From Nehru to Shastri □ From Shastri to Indira Gandhi b) Fourth General Election 1967 □ Context of the Election. □ Non Congressism □ Electoral Verdict □ Coalitions □ Defections c) Split in the Congress □ Indira vs the Syndicate □ Presidential Election 1969 d) The 1971 Election and Restoration of Congress □ The outcome and after □ Restoration?	Use of timeline Comparative analysis: Political Succession Group discussion: Changing electoral performance of the congress Interpretation of cartoons Map Activity
	Part-2 Chapter:6The Crisis of Democratic Order	□ a) Background to Emergency. □ Economic Context. □ Gujarat and Bihar Movements □ Conflict with Judiciary b) Declaration of Emergency □ Crisis and response □ Consequences Group discussion: Based on Newspaper articles and other media information with respect to emergency, c) Lessons of the Emergency.	Group discussion: Based on Newspaper articles and other media information with respect to emergency Quiz Cartoon Interpretation Map Activity
November	Part-1 Chapter:5 Security in the Contemporary World	Topics to be focused: a) Meaning and Type of Security. b) Traditional concept of security c) Non-tradition notions of Security. d) New Sources of Threats e) Cooperative Security f) India's Security strategy	Discussions and debates: New sources of threat Comparative analysis: Security concerns of different countries Interpretation of cartoons/Pictures Collaborative concept mapping: India's initiatives and policies towards security.
	Part-2 Chapter: 7 Regional Aspirations	Topics to be focused: a) Region and the Nation □ Indian Approach □ Areas of Tension □ Jammu and Kashmir □ Roots of the Problem □ External and Internal disputes □ Politics since 1948 □ Insurgency and After □ 2022 and Beyond b) Punjab □ Political Context □ Cycle of Violence □ Road to Peace c) The Northeast □ Demand for autonomy □ Secessionist Movements □ Movements against outsiders □ Assam and Natiuna	Topics to be focused: a) Region and the Nation □ Indian Approach □ Areas of Tension □ Jammu and Kashmir □ Roots of the Problem □ External and Internal disputes □ Politics since 1948 □ Insurgency and After □ 2022 and Beyond b) Punjab □ Political Context □ Cycle of Violence □ Road to Peace c) The Northeast □ Demand for autonomy □ Secessionist Movements □ Movements against outsiders □ Assam and Natiuna
	Part-2 Chapter:8 Recent Developments in Indian Politi	Topics to be focused a) Context of 1990s b) Era of Coalition □ Alliance Politics c) Political rise if the Backward Classes □ Mandal Implemented □ Political Fallouts d) Communalism, Secularism and Democracy. □ Ayodhya Dispute □ Demolition and after c) Emergence of New Consensus f) Lok Sabha Elections 2014 g) Growing Consensus	Comparative analysis: Different developments taking place in present scenario with that of twentieth century. Timeline Interpretation of Cartoons/Caricatures Quiz Reflective Enquiry
December	Part-1 Chapter:6 Environment and Natural Resources	Topics to be focused: a) Environmental Concerns b) Global Commons c) Common but differentiated Responsibilities d) India's Stand on Environment Issues e) Environmental Movements f) Resource Geopolitics g) Rights of Indigenous peoples	Presentation: Environmental issues Recapitulation Debate and discussion: Indigenous communities of the world and their concerns Newspaper activity to inculcate concern, awareness and environmental morality
	Part-1 Chapter : 7 Globalisation	a) Concept of globalisation b) Causes and Consequences of globalisation c) India and globalization d) Resistance to globalization e) India and resistance to globalisation	Group discussion: Positive and negative impact of globalization. Interpretation of Cartoons Question strategy
January	Pre- Boards & Board Examination		
		ENTREPRENEURSHIP	
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Chpter 1 Entrepreneurial Opportunity		
		Sensing EntrepreneurialOpportunities Environment Scanning and Problem Identification Spotting Trends Creativity and Innovation • Selecting the Right Opportunity	practical project for problem identification and turn it in an opportunity
May			
June	Chpter 2: Entrepreneurial Planning	Forms of business organization- Soleproprietorship, Partnership, Company Business Plan: concept, format "Components: Organisational plan; Operational plan; Production plan; Financial plan; Marketing plan; Human Resource planning"	Project for business planning
July	Unit 3: Enterprise Marketing	Marketing and Sales Strategy Branding, Logo, Tagline Promotion Strategy	Product Marketing
August	Unit 3: Enterprise Marketing (Continue)	Negotiations - Importance and Methods Customer Relationship Management Vendor Management	Project preparation
	Chpater 4: Enterprise Growth Strategies	Franchising: Concept, types, advantages,limitations. Mergers and Acquisition: Concept,reasons, types.	
September	Chpater 4: Enterprise Growth Strategies Revision	Reasons for failure of Mergers and Acquisitions	Chart preparation for Types of franchising
October	Chapter 5: Business Arithmetic	Unit of Sale, Unit Cost for multiple products or services " Break even Analysis for multiple products or services	Numerical solution

November	Unit 6: Resource Mobilization	"Capital Market- Primary and Secondary Stock Exchange- Concept, features, functions and importance" Securities and Exchange Board of IndiaHistory, establishment, powers	Group discussion on financial resources
December	Unit 6: Resource Mobilization ( Continue)	Angel Investor: Features	Study Of Share market
January	Revision		
	PRE-BOARDS		
Physical Education			
Month	Chapter's Name	Topics	Writing Skills/ Activity/ Practical
April	Chapt.1. Planning in sports	Methods of drawing fixtures, knockout tournaments, . league tournament, Round Robin Tournaments, Intramural, extramural Changing Trends & Career in Physical Education • Meaning & definition of Physical Education • Aims & Objectives of Physical Education • Career Options	Practical planning of league system on Board and on ground practical of different tournament pattern Drawing fixtures for the different types of tournaments
May	Chapt. 1. Planning in sports (Continued)	seeding, special seeding, American method of finding winners.benefits of knockout ans league matches	Practical planning of league system on Board and on ground practical of different tournament pattern
June	Chapt. 2 Sports and nutrition	Nutrition, Micro Nutrients, Macro Nutrients, Minerals, BMI, Eating disorders, Anorexia, Bulimia, Pitfalls in dieting, Food Supplementts	Sports Nutrition Quiz and showing video.
July	Chapt. 3. Yoga and life style	Physical Fitness, Wellness & Lifestyle • Meaning & Importance of Physical Fitness, Wellness & Lifestyle • Components of physical fitness and Wellness • Components of Health related fitness	Different asana practices and Surya Namaskar Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardha Matsyendrasana
August	Chapt.4. Sports for CWSN	Causes of Disorders, Autism , OCD,ADHD, SPD, Diabality Etiquette and causes and treatment for different disorders	Making Charts on different postures. Showing Common Postural Deformities video. Types of Disability, its causes & nature (cognitive disability, intellectual disability, physical disability)
	Chapt. 5. Children and sports,Women and Sports	Casues of Disorders, Osteoporosis, Bulimia,	Making Charts on different postures. Showing Common Postural Deformities video.
September	Chapt. 6. Test, Measurement and Evaluation	Motor Fitness test General Motor Fitness – Barrow three item general motor	Practical of Motor Fitness Test"Making Charts on different postures. Showing Common Postural Deformities video."
October	Chapt. 7. Sports and medicine	Sports medicine also known as Sport and Exercise Medicine (SEM) is a branch of medicine that specialises in the treatment and prevention of injuries related to	Classification (Soft Tissue) Injuries (Abrasion, Contusion, Laceration, Incision, Sprain & Strain) Bone & Joint
November	Chapt. 8. Biomechanics and sports	Meaning And Importance of Biomechanics in sports Newton law of motion & its application in sports Types of movements(flexion, Extension, Abduction, Adduction)	Endurance - Definition, types & methods to develop Endurance – Continuous Training, Interval Training & Fartlek Training
December	Chapt. 9. Psychology and Sports	Understanding Stress & coping Strategies Personality; its definition & types, - Trait & Types & big five theory Motivation, its types & techniques Exercise Adherence; Reasons to Exercise, Benefits of Exercise Strategies for Enhancing Adherence to Exercise Meaning, concept & types of Aggressions in Sports	Preparation of final draft of Project File
	Chapt. 10. Training in sports	Strength-definition, types &method Endurance- definition, types &method Speed- definition, types &method Flexibility- definition, types &method Coordinative Abilities- definition and types Circuit Training – intro & importance	Preparation of final draft of Project File
January	Pre-Board Exams		
APPLIED MATHEMATICS			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Ch-2 Matrices	Inverse of A Matrix Solving system of simultaneous equations using matrix method Cramer's Rule Algebra of Matrices Matrices and types of Matrices Determinants Equality of Matrices Transpose of a Matrix Symmetric and Skew Symmetric Matrix	Using spreadsheet find the inverse of a matrices.
	Ch- 2 Determinants	Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples.	Draw Mid map
May	Ch- 2 Determinants (Continued)	solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	Solve application base Case Study
June	Ch-1Numbers, Quantification and Numerical Applications	Congruence Modulo Modulo Arithmetic Numerical Inequalities Alligation And Mixture Numerical Problems Boats and Streams (Upstream And Downstream) Races and Games Pipes and Cisterns	To understand the concepts of Congruence Modulo and Equivalence Class by findingcongruence modulo 6 and of first 50 natural numbers. Segregate the above results on the basis of their remainders for mod 6.
	chapter -1 Relations and Functions	Components of Time Series Methods of Measuring Trend Time Series Secular Trend Time Series Analysis for Univariate Data	Collect data from newspapers on traffic, sports activities and market trends and use excel to study future trends
July	Ch-3A- Differentiation and its Applications	Marginal Cost and Marginal Revenue using Derivatives Maxima and Minima Application of Derivatives Higher-Order Derivatives Increasing /Decreasing Functions	Find Area between curves.
August	Ch- 3B- Integration	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple	Activity :To evaluate the definite integral from a to b of given function as the limit of a sum and verify it by actual integration.
September	Ch-8 Applications of the Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	
	Ch-5 Inferential Statistics	Population and Sample t-Test (One-Sample T-Test and Two Independent Groups T-Test) Parameter and Statistics and Statistical Interferences	Project Work: Analysis of population migration data – positive and negative influence on urbanization
October	Ch-7 Financial Mathematics	Calculation of Emi Linear Method of Depreciation Perpetuity Sinking Funds Compound Annual Growth Rate Calculation of Returns Nominal Rate of Return	Stock Market data sheet on excel.Real life examples of sinking fund, Advantages of Sinking Fund, Sinking Fund vs. Savings account

	Ch-8 Linear Programming Problem	Feasible and Infeasible Solutions Optimal Feasible Solution Introduction and Related Terminology Feasible and Infeasible Regions Mathematical Formulation of linear programming problem Graphical method of solution for problems in two variables	Assignment of a company by choosing a certain number of employees to complete the assignment within the required deadline, given that a single person works on only one job within the assignment. In this type of problem, the number of employees, the work- hours of each employee etc. are considered as constraints and the total assignment to be done is treated as objective function.
November	Ch-4Probability Distributions	Variance Mathematical Expectation Normal Distribution Probability Distribution Poisson Distribution Binomial Distribution	Find conditional probability of an event.
December	Ch-3C-Differential Equations and Modeling	Application of Differential Equations Differential Equations Formulating and Solving Differential Equations	Data Analysis through Excel
January	Pre-Board Exams		
Mathematics			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Ch-3 Matrices	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Noncommutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).	Mind map
	Ch- 4 Determinants	Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples.	Quiz
May	Ch- 4 Determinants (Continued)	solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	-
June	Ch-1 Relations and Functions	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.	Activity 1: To verify that the relation R in the set L of all lines in a plane, defined by $R = \{ (l, m) : l \text{ is parallel to } m \}$ is an equivalence relation.
	Ch-2 Inverse Trigonometric Functions	Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions	Activity 2:To draw the graph of $\sin^{-1} x$ , using the graph of $\sin x$ and demonstrate the concept of mirror reflection ( about the line $y = x$ )
July	Ch- 5 Continuity and Differentiability	Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, like $\sin^{-1} x$ , $\cos^{-1} x$ and $\tan^{-1} x$ , derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives	Activity 3:To verify Rolle's Theorem.
August	Ch- 6 Applications of Derivatives	Applications of derivatives: rate of change of quantities, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate the above concepts).	Activity 4:To understand the concepts of decreasing and increasing functions Activity 5: To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.
	Ch- 7 Integrals	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts. Evaluation of simple integrals of the following types and problems based on them.Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals	Activity 6:To evaluate the definite integral from a to b of given function as the limit of a sum and verify it by actual integration.
September	Ch-8 Applications of the Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	-
	Ch- 12 Linear Programming	Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).	Group assessment
October	Ch- 10 Vectors	Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.	Activity 7:To verify that angle in a semicircle is a right angle, using vector method.
	Ch- 11 Three - dimensional Geometry	Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines	Activity 8 : To sketch the graphs of a rise to $x$ and $\log x$ , $a > 0$ , $a$ is not equal to 1 and to examine that they are mirror images of each other. Activity 9 : To measure the shortest distance between two skew lines and verify it analytically.
November	Ch- 13 Probability	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean of random variable.	Activity 10:To explain the computation of conditional probability of a given event A when event B has already occurred, through an example of throwing a pair of dice.
December	Ch- 9 Differential Equations	Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $dy/dx + py = q$ , where p and q are functions of x or constants. $dx/dy + px = q$ , where p and q are functions of y or constants	Mind Map
January	Pre-Board Exams		
Computer Science			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Revision Tour Of Python Unit 1: Computational Thinking and Programming – 2	Revision of Python topics covered in Class XI. ● Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters	To reinforce concepts from all key units of Python and associated topics through hands-on activities and critical thinking.
May		Exception Handling: Introduction, handling exceptions using try-except-finally blocks	
June	Unit -2 Functions And Exception handling		Write a Python program to simulate a basic inventory management system using lists and dictionaries.
July	Binary File Handling	Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file	Use functions for input, processing, and display. Implement exception handling for invalid data types or missing values. Practical Task: Demonstrate try, except, else, and finally blocks. Create a user-defined function for division and handle divide-by-zero errors.
August	CSV File and Data Structure	CSV file: import csv module, open / close csv file, write into a csv file using writer(), writerow(), writerows() and read from a csv file using reader() ● Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.	Read a CSV file containing employee records. Display highest-paid employee using dictionaries. Practical Task: Use csv.reader() and csv.writer(). Create a report of employees whose salary is above a threshold

<b>September</b>	Computer Network & Concept	Unit 2: Computer Networks ● Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) ● Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) ● Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) ● Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) ● Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP	Write a short note on the difference between IP address and MAC address.  Explain client-server and peer-to-peer network models with examples.  Practical Task (Theoretical): Identify and explain different types of network topologies using diagrams.  Explain DNS, HTTP, FTP in 2-3 sentences each.
<b>October</b>	Unit :3 Data base management	Unit 3: Database Management ● Database concepts: introduction to database concepts and its need ● Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key) ● Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	Using MySQL or any SQL environment:  Execute queries for JOIN, GROUP BY, and aggregate functions.  Import CSV data into SQL and perform search queries.
<b>November</b>	Database management II	delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	Normalization and its types. Difference between primary key and foreign key with examples. Design a relational database for a Library Management System: Create tables for books, members, and transactions. Use keys to define relationships.
<b>December</b>	Revision of all practical and theory portion	Practicals and board practicals practice and building program	
<b>January</b>	<b>Pre-Board Exams</b>		

Painting			
Month	Chapter's Name	Topic	Activity/Practicals
<b>April</b>	Chapter - 1 = The Rajasthan school of painting	Introduction: rajasthan, melwa, marwad, mewad, bundi, kota, bikaner, kishangad, jodhpur	<b>Lining Work, Sketching work</b>
	The Rajasthani School of Miniature Painting	General introduction about Bhagavat puran, Shiv puran and mythological myth. Paintings: Maru Ragini, Chaugan Player, Krishna swings and Radha in sad mood, Bani Thani, Rama meets members of his family at chitrak (16th Century A.D. to 19th Century A.D.) A brief introduction to Indian Miniature Schools: Western- Indian, Pala, Rajasthani and Pahari, Mughal and Deccan, Central India. Appreciation of art works from your syllabus from the following schools a. The Rajasthani School b. The Pahari School c. The Mughal School d. The Deccan School based on their: 1. Origin and Development 2. Sub-Schools 3. Main features 4. Characteristics 5. Aesthetic parameters 6. Competency based identification of style & technique 7. Understanding of emotions and moral values 8. Respect for life.	
<b>May</b>			<b>vection homework ; Tint and Shade</b>
<b>June</b>	Pahari School of Miniature Painting	Title Painter Krishna Lifting Mount Govardhan Miskin Falcon on a Bird-Rest Ustad Mansoor	<b>Live ; Sketching work</b>
<b>July</b>			
<b>August</b>	The Mughal School of Miniature Painting	Falcon on a Bird-Rest Ustad Mansoor Kabir and Raidas Ustad Faquirullah Khan Marriage Procession of Dara Shukoh Haji Madni	<b>Folk art, Madhubani art</b>
			<b>Still Life, Object Drawing</b>
<b>September</b>	The Deccan School:	Title Painter Sub-School Hazrat Nizamuddin Auliya and Amir Khuro Unknown Hyderabad	<b>Nature, Landscap</b>
<b>October</b>	The Bengal School of Painting and the Modern trends in Indian Art	Chand Bibi, Baxama Bala (Chauvan) Linkowan, Gol Kanda (About the beginning to mid of the 20th Century), contribution of Indian artists towards freedom movement, Revival of Indian Art, Indian National Flag Appreciation of art works from your syllabus based on their: 1. Origin and Development 2. Main features	<b>Body part,</b>
<b>November</b>	A National Flag of India :B The Bengal School of Painting	A National Flag of India: The Symbolic significance of its forms and the colours. Contribution of Indian artists in the struggle for National Freedom Movement. B The Bengal School of Painting	
<b>December</b>	The Modern Trends in Indian Art	C The Modern Trends in Indian Art Appreciation of the following contemporary (Modern) Indian Art i. i. Paintings:	
<b>January</b>	<b>Pre- Boards Examination</b>		

Sociology			
Month	Chapter's name	Topic	Writing Skills/ Activity/ Practical
	2. The Demographic Structure of Indian Society	The Demographic Structure of the Indian Society □ Theories and concepts in demography □ Rural-Urban Linkages and Divisions □ Population Policy in India	Introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection.

<b>June</b>			
<b>July</b>	3. Social Institutions: Continuity and Change	Social Institutions: Continuity and Change □ Caste and the Caste System □ Tribal Communities □ Family and Kinship	
<b>August</b>	5. Patterns of Social Inequality and Exclusion	Patterns of Social Inequality and Exclusion □ Social Inequality and Social Exclusion □ Systems justifying and perpetuating inequality - Caste, Tribe, the Other Backward Classes □ Adivasi Struggles □ The Struggle for Women's Equality and Rights □ The struggles of the Differently Aabled	Significance and relevance of the topic; challenges encountered while conducting the research.
<b>September</b>	6. The Challenges of Cultural Diversity	The Challenges of Cultural Diversity □ Cultural communities and the nation state □ Regionalism in the Indian context □ The Nation state and religion related issues and identities □ Communalism, secularism and the nation state □ State and Civil Society	
<b>October</b>	8. Structural Change	Cultural Change □ Social Reform Movements □ Different Kinds of Social Change: Sanskritisation Westernization, Modernization, Secularization	Content analysis and its relevance in the current scenario. Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.
<b>November</b>	9. Cultural Change	Change and Development in Rural Society □ Agrarian Structure : Caste & class in Rural India □ Land Reforms, Green Revolution and Emerging Agrarian society □ Green revolution and its social consequences □ Transformation in Rural Society □ Circulation of labour □ Globalization, Liberalization and Rural Society	vExternal/ Internal Viva based on the project
<b>December</b>			
<b>January</b>	11. Change and Development in Rural Society	Change and Development in Industrial Society □ From Planned Industrialization to Liberalization □ How people find Jobs □ Work Processes: How work is carried out, working conditions, home based work, Strikes and Unions	case study
<b>Pre-Board Exams</b>			
<b>Economics</b>			
<b>Month</b>	<b>Chapter's Name</b>	<b>Topic</b>	<b>Writing Skills/ Activity/ Practical</b>
<b>April</b>	Indian Economic Development : Chapter 1 Indian Economy on the Eve of Independence	become familiar with the state of the Indian economy in 1947, the year of India's Independence. understand the factors that led to the underdevelopment and stagnation of the Indian economy.	Prepare a list of goods and services that were available to people in pre-independence India in rural and urban areas. Compare it with the consumption pattern of such goods and services by the people today. Highlight the perceptible difference in the people's standard of living.
	Indian Economic Development : Chapter 2 Indian Economy 1950-1990	The goals of Five Year Plans Agriculture Industry and trade Trade policy : Important substitution	Prepare pie chart on the occupational structure of the Indian economy.
	Introductory Macroeconomics : Chapter 1 Introduction	Introductory Macroeconomics : Chapter 1 Introduction	Differentiate between : Microeconomics & Macroeconomics
	Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
<b>May</b>	Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
<b>June</b>	Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
<b>July</b>	Indian Economic Development : Chapter 3 Liberalisation, Globalisation and Privatisation	Background Liberalisation Globalisation Privatisation Indian economy during reforms	Was it necessary for India to introduce economic reforms at the behest of World Bank and International Monetary Fund? Was there no alternative for the government to solve the balance of payments crisis? Discuss in the classroom.
	Introductory Macroeconomics : Chapter 3 Money and Banking	Functions of money Demand and supply of money Money creation by banking system Policy tools to control money supply	Numerical problems on : Money supply Money creation
<b>August</b>	Indian Economic Development : Chapter 4 Human Capital Formation In India	What is human capital? Sources of human capital Human capital and human development State of human capital formation in India Education sector in India Future prospects	Identify how Human Development Index is calculated. What is the position of India in the World Human Development Index?
	Introductory Macroeconomics : Chapter 4 Determination of Income and Employment	Aggregate demand & aggregate supply Income determination and multiplier Excess demand and deficient demand	Curves related to various functions of economy Numerical problems on : APC, APS, MPC, MPS Investment Multiplier 'K'
<b>September</b>	Indian Economic Development : Chapter 5 Rural Development	What is rural development? Credit marketing in rural areas Agriculture market system Diversification in product activities Sustainable development and organic farming	Enlist some problems faced by farmers during the initial years of organic farming.
	Introductory Macroeconomics : Chapter 5 Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numericals problems on : Revenue deficit Fiscal deficit Primary deficit
<b>October</b>	Indian Economic Development : Chapter 6 Employment : Growth, Informalisation and Other Issues	Workers and employment Participation of people in employment Self-employed and hired workers Employment in firms, factories and offices Growth and changing structure of employment Informalisation of Indian workforce Government and employment generation	In recent years, you may have noticed that many voluntary organisations also take initiatives to generate employment in hilly and dry land regions. If you find such initiatives in your locality, visit and prepare a report

	Introductory Macroeconomics : Chapter 5 Governmen Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numericals problems on : Revenue deficit Fiscal deficit Primary deficit
November	Indian Economic Development : Chapter 7 Environment and sustainable development	Environment : defination and functions State of India's environment Sustainable development Strategies for sustainable development	Prepare a chart on the causes and remedies of soil erosion in India.
	Introductory Macroeconomics : Chapter 5 Governmen Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numericals problems on : Revenue deficit Fiscal deficit Primary deficit
December	Indian Economic Development : Chapter 8 Comparative Development Experiences of India and Neighbous	Developmental path - A snapshot Demographic indicators GDP and sectors Indicators of human development Development strategies - An appraisal	A class debate on the issue of free trade between India and China and India and Pakistan.
	Introductory Macroeconomics : Chapter 6 Open Economy Macroeconomics	The balance of payments Foreign exchange rate	Numerical problems on : Current account balance Capital account balance
January	AISSEE - Practical / Viva 2025-26		
History			
Month	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	Bricks, Beads and Bones The Harappa Civilisation	<input type="checkbox"/> Familiarize the learner with the early urban centers as economic and social institutions. <input type="checkbox"/> Introduce the ways in which new data can lead to a revision of existing notions of history. <input type="checkbox"/> Find the difference between an archeologist and historian who Investigate and interpret historical and contemporary sources	<input type="checkbox"/> To investigate, explore and interpret the early urban centres and social institutions. <input type="checkbox"/> State and deduce the multilateral aspects of Harappan civilization to understand the first civilization of the world. <input type="checkbox"/> Investigate and interpret historical and contemporary sources and viewpoints of ASI and historians on Harappa.
	Kings, Farmers and Towns Early States and Economic History of the Subcontinent	<input type="checkbox"/> To Familiarize the learner with major trends in the political and economic history of the subcontinent.	<input type="checkbox"/> To critically evaluate and interpret major trends in the political and economic history of the subcontinent. <input type="checkbox"/> Analyse inscriptional evidences and the ways in which these have shaped the understanding of political and economic processes.
June	Kingship, Caste and class Early Societies (c. 600 B.C.)	<input type="checkbox"/> To Familiarize the learners with issues in social history. <input type="checkbox"/> Introduce the strategies of textual analysis and their use in reconstructing social history. <input type="checkbox"/> To appraise the condition of women during Mahabharata age.	<input type="checkbox"/> To examine, analyse the issues of social history. <input type="checkbox"/> Analyse social norms in order to understand the perspectives of society given in the scriptures of ancient India. <input type="checkbox"/> Examine the varied dimensions explored by historians in order to understand dynamic approach of Mahabharata
July	Thinkers, Beliefs and Buildings Cultural Developments in Early India	<input type="checkbox"/> Discuss the major religious developments in early India. <input type="checkbox"/> Introduce strategies of visual analysis and their use in reconstructing the theories of religion.	<input type="checkbox"/> To infer and compare the major religious developments in early India. <input type="checkbox"/> Elucidate the rich religious sculpture and infer the stories hidden in it.
August	Through the eyes of Travellers Perceptions of Social History	<input type="checkbox"/> Familiarize the learner with the salient features of social histories described by the travellers. <input type="checkbox"/> Discuss how traveller's accounts can be used as sources of social history. <input type="checkbox"/> Familiarise with the accounts of foreign travellers in order to understand the social political and economic life in the medieval period.	<input type="checkbox"/> To understand salient features of social histories described by the travellers and apply the learning in real life. <input type="checkbox"/> Elucidating the accounts of foreign travellers in order to understand the social political and economic life during the tenure of different rulers in the medieval period.
	Bhakti-Sufi Traditions Changes in Religious Beliefs and Devotional Texts	<input type="checkbox"/> Familiarize the learner with the religious developments. <input type="checkbox"/> Discuss ways of analysing devotional literature	<input type="checkbox"/> Understand the religious developments. <input type="checkbox"/> Summarize the philosophies of different Bhakti and Sufisaints to understand the religious developments during medieval period.
September	An Imperial Capital – Vijayanagar	<input type="checkbox"/> Acquaint the learner with the buildings monuments that were built during the time. <input type="checkbox"/> To examine the 'excerpts or the sources more closely and discuss the ways in which architecture can be analysed to reconstruct history. <input type="checkbox"/> Analyse city planning, water management system, administration of the rulers with the help of literary accounts of foreign traveller's and architectural evidence.	<input type="checkbox"/> Students will be able to Classify the distinctive architectural contributions of the Vijayanagar empire to comprehend the richness of mingled cultures of deccan India. <input type="checkbox"/> Analyse accounts of foreign traveller's on Vijayanagar in order to interpret political, social and cultural life of the city.
October	Peasants, zamindars and the States Agrarian Social History	<input type="checkbox"/> Engage the students to discuss the developments in agrarian relations. <input type="checkbox"/> Discuss how to supplement official documents with other sources. <input type="checkbox"/> Elaborate the agrarian changes occurred during sixteenth and seventeenth centuries. <input type="checkbox"/> Explain the changes and differences in the agrarian sectors	<input type="checkbox"/> Comprehend the facets of agrarian developments in order to understand the relationship between the state and the agriculture during Mughal period. <input type="checkbox"/> Compare and contrast the agrarian changes occurred during sixteenth and seventeenth centuries
	Colonialism and The Countryside Exploring Official Records and Reports	<input type="checkbox"/> Discuss how colonialism affected zamindars, peasants and artisans. <input type="checkbox"/> Explain the revenue systems introduced by the British to Comprehend the problems and limits of using official sources for understanding the lives of the people. <input type="checkbox"/> Discuss about the types of records and reports.	<input type="checkbox"/> Evaluate the revenue systems introduced by the British to understand the economic aspects of colonization in India. <input type="checkbox"/> Analyse the colonial official records& reports to understand the divergent interest of British and Indians.
November	Rebels and Raj 1857 Revolt and its Representation	<input type="checkbox"/> Discuss how the events of 1857 are being interpreted. <input type="checkbox"/> Discuss how visual material can be used by historians to narrate events. <input type="checkbox"/> Understand the planning and execution of the plan. <input type="checkbox"/> Highlight the united contribution made by the Indian soldiers.	<input type="checkbox"/> To examine the events of 1857. <input type="checkbox"/> Correlate the Planning and coordination of the rebels of 1857 to infer its domains and nature. <input type="checkbox"/> Examine the momentum of the revolt to understand its spread.
	Mahatma Gandhi and the National Movement Civil Disobedience	<input type="checkbox"/> Discuss how Gandhi was perceived by different groups. <input type="checkbox"/> Examine how historians need to read and interpret newspapers diaries and letters as a historical source. <input type="checkbox"/> Throw light on nationalism and patriotism.	<input type="checkbox"/> Understand the nationalist movement in chronological order. <input type="checkbox"/> Explore the ways of interpreting historical source such as newspapers, biographies and autobiographies diaries and letters
December	Framing of the Constitution The Beginning of a New Nation	<input type="checkbox"/> Discuss how the founding ideals of the new nation state were debated and formulated. <input type="checkbox"/> Understand how such debates and discussions can be read by historians. <input type="checkbox"/> Discuss the other countries constitution and compare.	<input type="checkbox"/> Highlight the role of Constituent Assembly to understand functionalities in framing the constitution of India. <input type="checkbox"/> Analyse how debates and discussions around important issues in the Constituent Assembly shaped our Constitution
	Including Map work of the related Themes	Mature Harappan sites: Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, KotDiji.  Territories/cities under British Control in 1857: Punjab, Sindh, Bombay, Madras Berar, Bengal, Bihar, Orissa, Surat, Calcutta, Patna, Allahabad	
January	Pre- Boards & Board Examination		

**GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)**

Month	No. Of Teaching Days	Chapter	Theme/ Sub-theme	Activities
April	21	The Last Lesson	Infringement on the rights of people to speak a language of their choice. Prussia conquering two districts of France	Textual questions/ Extra questions/ Assignments/Character sketches
		My Mother at sixty six	Fear of Kamala Das about the death of her mother.	Textual exercises/Literary devices/ Worksheet
		The Third Level	Charlie's escapism to an unknown parallel world.	Assignments, comprehensions, character sketches and value based questions
		Notice Writing	Drafting notices for various events and occasions	Notice drafting
June	22	Lost Spring	The acceptance of poverty, exploitation as destiny and a dire need to provide the poverty-stricken people, especially the children, a life of dignity and opportunities to dare, dream and do.	Assignments, character analyse and debate.
		Keeping Quiet	Importance of having peace and unity in the world.	Assignments, comprehension questions and poetic devices.
		Deep Water	A real life personal account of experiencing fear and the steps to overcome it.	Textual questions/ Extra questions/ Assignments/Character sketches"
		Formal invitations and replies	Drafting formal and informal invitations and replies for various occasions	Drafting formal and informal invitations and replies for various occasions
July	18	The Rat Trap	The story has a universal theme that the essential goodness in a human being can be awakened through understanding and love.	Textual exercises/Extracts/ Value based/ Character sketches
		Journey to the end of the Earth	Tishani Doshi describes the journey to the coldest, driest and windiest continent in the world: Antarctica.	Assignment/ Comprehension questions – Textual questions/ Extra questions/ Value based questions
		The Tiger King	The story is a satire on the conceit of those in power.	Textual exercises/Extracts/ Value based/ Character sketches
August	23	Indigo	The leadership shown by Mahatma Gandhi to secure justice for oppressed people through convincing argumentation and negotiation.	Textual exercises/Extracts/ Value based/ Character sketches
		Letter Writing - Editor and job Application	Importance of writing formal letters like job applications including resume	Drafting job application letters and letters to editor
		A Thing of Beauty	The natural bounties are all beautiful things that fill us with joy and remove the gloom in life.	Assignments, comprehension questions and poetic devices.
September	11		Dr.Sadashiv encounters the dilemma-to live as a private individual whose moral ethical responsibility is to save the soldier or to let the prisoner die	Textual exercises/Extracts/ Value based/ Character sketches
		The Enemy		
October	22	Report writing - Magazines and newspaper	Importance of writing magazine and newspaper reports.	Drafting reports
		Poets and pancakes	The author talks about the Gemini studios set up in Chennai. It was one of the most influential film producing organisations of India in the early days of Indian film making.	Textual exercises/Extracts/ Value based/ Character sketches
			The lesson is about the pain and isolation the physically handicapped go through.	Textual exercises/Extracts/ Value based/ Character sketches
		On the face of it	The poet presents the lives of poor, deprived people with pitiless clarity and with the deepest sympathy and humanity.	Assignments, comprehension questions and poetic devices.
		A Roadside Stand	Importance of writing articles.	Drafting articles
November	14			
		The Interview - Part I&2	Part I- Interview in the field of journalism. Part II -is an extract from an interview of Umberto Eco,	Textual exercises/Extracts/ Value based/ Character sketches
		Aunt Jennifer's Tigers	The poem showcases a fair interplay between rebellion and repression, the individual and the social and between personal and political aspects of male chauvinism and suffocation in a married life.	Assignments, comprehension questions and poetic devices.
December	23	Going Places	Deals with the theme of adolescent fantasising and hero worship	Textual exercises/Extracts/ Value based/Character sketches
		Memories of Childhood - Part I&2	The story presents autobiographical episodes from the lives of two women and is an insight into humiliations suffered by the marginalised communities and their relationship with the mainstream culture.	Textual exercises/Extracts/ Value based/Character sketches
January	16	Revision		
February	21	Revision		

Prepared by - Akash Anilkumar



GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)					
Month	No. of working days	Physics	Content/Sub Topic	Activity	
April		1. Electric Charges and Fields	Electric Charges; Conservation of charge, Coulomb's law-force between two point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field. Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside).	Expt.(1) To determine resistivity of two / three wires by plotting a graph for potential difference versus current.	
		22 2. Electrostatic Potential and Capacitance	Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field. Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance.	Activity(1) To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using a Multimeter.	
May	2	2. Electrostatic Potential and Capacitance	combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only).	Activity(2) To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.	
June		3. Current Electricity	Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance. Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.	Expt.(2) To verify the laws of combination (series) of resistances using a metre bridge. Expt.(3). To verify the laws of combination (parallel) of resistances using a metre bridge	
	18	4. Moving Charges and Magnetism	Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop, Ampere's law and its applications to infinitely long straight wire.	Activity(3) To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter	
July		4. Moving Charges and Magnetism	Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields. Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors-definition of ampere, torque experienced by a current loop in uniform magnetic field. Current loop as a magnetic dipole and its magnetic dipole moment, moving coil galvanometer its current sensitivity and conversion to ammeter and voltmeter	Expt.(4) To find resistance of a given wire / standard resistor using metre bridge	
		20 5. Magnetism And Matter	5. Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only), magnetic field lines. Magnetic properties of materials- Para-, dia- and ferro - magnetic substances with examples, Magnetization of materials, effect of temperature on magnetic properties.	Expt.(5) To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.	
August		6. Electromagnetic Induction	6. Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law, Self and mutual induction.	Activity(4) To assemble the components of a given electrical circuit	
		22 7. Alternating Current	7. Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only).		
		7. Alternating Current	7. Resonance, power in AC circuits, power factor, wattless current. AC generator, Transformer.	Expt.(6) To find the frequency of the AC mains with a Sonometer	
September		11 8. Electromagnetic Waves	Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses	Activity(5) To study effect of intensity of light on an LDR.	
		9. Ray Optics and optical instruments	Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism. Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.	Activity(6) To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab	
October		10. Wave optics	Wave optics: Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygen's principle.	Expt.(7) To find the focal length of a convex mirror, using a convex lens	
		10. Wave Optics	Interference, Young's double slit experiment and expression for fringe width (No derivation final expression only), coherent sources and sustained interference of light, diffraction due to a single slit, width of central maxima (qualitative treatment only).	Expt.(7) To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation. .	
		11. Dual Nature of Radiation And Matter	Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation- particle nature of light. Experimental study of photoelectric effect Matter waves-wave nature of particles, de-Broglie relation	Expt.(8) To determine refractive index of a glass slab using a travelling microscope.	

November	15	12.Atoms	12.Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in his orbit, of hydrogen line spectra (qualitative treatment only).	Activity(7)To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.				
		13.Nuclei	Composition and size of nucleus, nuclear force Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion.					
December	25	14.Semiconductor Devices	Energy bands in conductors, semiconductors and insulators (qualitative ideas only) intrinsic and extrinsic semiconductors;p and n type, p-n junction Semiconductor diode - I-V characteristics in forward and reverse bias, diode as a rectifier;	Expt(9)To draw the I-V characteristic curve for a p-n junction diode in forward bias and reverse bias.				
January		Pre Board Examination	Pre Board Examination					

GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)				
Month	No.of working days	Chemistry	Content/Sub Topic	Activity
April	22	Chapter 1- Solutions	Types of solutions, expression of concentration of solutions of solids in liquids, solubility of gases in liquids, solid solutions, Raoult's law, colligative properties - relative lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure, determination of molecular masses using colligative properties, abnormal molecular mass, Van't Hoff factor.	Volumetric Analysis
		Chapter 6- Haloalkanes and Haloarenes	Haloalkanes: Nomenclature, nature of C-X bond, physical and chemical properties, optical rotation mechanism of substitution reactions. Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).	Volumetric Analysis
May	2	Chapter 6- Haloalkanes and Haloarenes(conti...)	Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.	Volumetric Analysis
June	18	Chapter 2- Electro Chemistry	Redox reactions, EMF of a cell, standard electrode potential, Nernst equation and its application to chemical cells, Relation between Gibbs energy change and EMF of a cell, conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration, Kohlrausch's Law, electrolysis and law of electrolysis (elementary idea), dry cell-electrolytic cells and Galvanic cells, lead accumulator, fuel cells, corrosion.	Volumetric Analysis
July	20	Chapter 3- Chemical Kinetics	Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst, order and molecularity of a reaction, rate law and specific rate constant, integrated rate equations and half-life (only for zero and first order reactions), concept of collision theory (elementary idea, no mathematical treatment), activation energy, Arrhenius equation.	Salt Analysis
August	22	Chapter 7- Alcohol, phenol and ether	Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration, uses with special reference to methanol and ethanol. Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols	Salt Analysis
September	11	Chapter 4- d-and f-Block Elements	General introduction, electronic configuration, occurrence and characteristics of transition metals, general trends in properties of the first-row transition metals – metallic character, ionization enthalpy, oxidation states, ionic radii, colour, catalytic property, magnetic properties, interstitial compounds, alloy formation, preparation and properties of K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> and KMnO <sub>4</sub> . Lanthanoids – Electronic configuration, oxidation states, chemical reactivity and lanthanoid contraction and its consequences. Actinoids - Electronic configuration, oxidation states and comparison with lanthanoids.	
October	14	Chapter 5- Coordination Compounds	Coordination compounds - Introduction, ligands, coordination number, colour, magnetic properties and shapes, IUPAC nomenclature of mononuclear coordination compounds. Bonding, Werner's theory, VBT, and CFT; structure and stereoisomerism, the importance of coordination compounds (in qualitative analysis, extraction of metals and biological system).	Salt Analysis
		Chapter 8 Aldehyde, Ketones and Carboxylic Acid	Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes, uses.	Organic Compound Analysis
November	15	Chapter 8 Aldehyde, Ketones and Carboxylic Acid (conti...)	Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.	Organic Compound Analysis
		Chapter 9 Amines	Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines. Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.	Organic Compound Analysis
December	25	Chapter 10- Biomolecules	Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates. Proteins -Elementary idea of - amino acids, peptide bond, polypeptides, proteins, structure of proteins - primary, secondary, tertiary structure and quaternary structures (qualitative idea only), denaturation of proteins; enzymes. Hormones - Elementary idea excluding structure. Vitamins - Classification and functions. Nucleic Acids: DNA and RNA.	Organic Compound Analysis
		Revision	Revision	
January	13	Pre Board Examination	Pre Board Examination	

GRADE 12 Sci-SPLIT UP SYLLABUS-BIOLOGY(2025-2026)				
Month	No. Of Teaching Days	Chapter No./ Chapter's Name	Topics	Lab Experiments/Activities
April	22	<b>Chapter-1: Sexual Reproduction in Flowering Plants</b>	Flower structure; development of male and female gametophytes; pollination - types, agencies and examples; out breeding devices; pollen-pistil interaction; double fertilization; post fertilization events - development of endosperm and embryo, development of seed and formation of fruit; special modes- apomixis, parthenocarpy, polyembryony; Significance of seed dispersal and fruit formation.	1. To observe pollen germination on stigma through a permanent slide or scanning electron micrograph. 2. To prepare a temporary mount to observe pollen germination. 3.Flowers adapted to pollination by different agencies (wind, insects, birds). 4.Controlled pollination - emasculation, tagging and bagging.
		<b>Chapter-2: Human Reproduction</b>	Male and female reproductive systems; microscopic anatomy of testis and ovary; gametogenesis -spermatogenesis and oogenesis; menstrual cycle; fertilisation, embryo development upto blastocyst formation, implantation; pregnancy and placenta formation; parturition ; lactation	1. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). 2. To study Meiosis in onion bud cell or grasshopper testis through permanent slides. 3.T.S. of blastula through permanent slides (Mammalian). 4. To Prepare a temporary mount of onion root tip to study mitosis.
		<b>Chapter-3: Reproductive Health</b>	Need for reproductive health and prevention of Sexually Transmitted Diseases (STDs); birth control - need and methods, contraception and medical termination of pregnancy (MTP); amniocentesis; infertility and assisted reproductive technologies - IVF, ZIFT, GIFT.	
May	2	-----	Subject enrichment activities	-----
June	18	<b>Chapter-4: Principles of Inheritance and Variation</b>	Heredity and variation: Mendelian inheritance; deviations from Mendelism – incomplete dominance, co-dominance, multiple alleles and inheritance of blood groups, pleiotropy; elementary idea of polygenic inheritance; chromosome theory of inheritance; chromosomes and genes; Sex determination - in humans, birds and honey bee; linkage and crossing over; sex linked inheritance - haemophilia, colour blindness; Mendelian disorders in humans - thalassemia; chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndromes.	1.To study Mendelian inheritance using seeds of different colour/sizes of any plant. 2. To prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colourblindness.
		<b>Chapter-5: Molecular Basis of Inheritance</b>	Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging; DNA replication; Central Dogma; transcription, genetic code, translation; gene expression and regulation - lac operon; Genome, Human and rice genome projects; DNA fingerprinting.	
		<b>Chapter-6: Evolution</b>	Origin of life; biological evolution and evidences for biological evolution (paleontology, comparative anatomy, embryology and molecular evidences); Darwin's contribution, modern synthetic theory of evolution; mechanism of evolution - variation (mutation and recombination) and natural selection with examples, types of natural selection; Gene flow and genetic drift; Hardy - Weinberg's principle; adaptive radiation; human evolution.	To study homologous and analogous organs in plants and animals through models/flash cards.
July	20	<b>Chapter-7: Human Health and Diseases</b>	Pathogens; parasites causing human diseases (malaria, dengue, chikungunya, filariasis, ascariasis, typhoid, pneumonia, common cold, amoebiasis, ring worm) and their control; Basic concepts of immunology - vaccines; cancer, HIV and AIDS; Adolescence - drug and alcohol abuse.	To observe common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any funguscausing ringworm through permanent slides, models or virtual images. Comment onsymptoms of diseases that they cause.
		<b>Chapter-8: Microbes in Human Welfare</b>	Microbes in food processing, industrial production, sewage treatment, energy generation andmicrobes as bio-control agents and bio-fertilizers. Antibiotics; production and judicious use	
August	22	<b>Chapter-9: Biotechnology - Principles and Processes</b>	Genetic Engineering (Recombinant DNA Technology).	To Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.
		<b>Chapter-10: Biotechnology and its Applications</b>	Application of biotechnology in health and agriculture: Human insulin and vaccine production, stem cell technology, gene therapy; genetically modified organisms	
September	11	<b>Chapter-10: Biotechnology and its Applications ( contd...)</b>	Application of biotechnology - Transgenic animals; biosafety issues, biopiracy and patents.	
October	14	<b>Chapter-11: Organisms and Populations</b>	Organisms and environment: Habitat and niche, population and ecological adaptations; population interactions - mutualism, competition, predation, parasitism; population attributes - growth, birth rate and death rate, age distribution.	1. To study the plant population density by quadrat method. 2. To study the plant population frequency by quadrat method
November	15	<b>Chapter-12: Ecosystem</b>	Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy	

December	25	Chapter-13: Biodiversity and its Conservation	Biodiversity - Concept, patterns, importance; loss of biodiversity; biodiversity conservation; hotspots, endangered organisms, extinction, Red Data Book, Sacred Groves, biosphere reserves, national parks, wildlife, sanctuaries and Ramsar sites.	To study symbiotic association in root nodules of leguminous plants, cuscuta on host and lichens.
		Pre-Board Exams		
January	13	DOUBT CLARIFICATION SESSION FOR BOARD EXAMS		

**GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)**

**Mathematics**

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	22	Ch-3 Matrices	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Noncommutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).	Mind map
		Ch- 4 Determinants	Determinant of a square matrix (up to $3 \times 3$ matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples.	Quiz
May	2	Ch- 4 Determinants (Continued)	solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	-
June	18	Ch-1 Relations and Functions	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.	<b>Activity 1:</b> To verify that the relation R in the set L of all lines in a plane, defined by $R = \{ (l, m) : l \text{ is parallel to } m \}$ is an equivalence relation.
		Ch-2 Inverse Trigonometric Functions	Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions	<b>Activity 2:</b> To draw the graph of $\sin^{-1} x$ , using the graph of $\sin x$ and demonstrate the concept of mirror reflection ( about the line $y = x$ )
July	20		Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, like $\sin^{-1} x$ , $\cos^{-1} x$ and $\tan^{-1} x$ , derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms. Second order derivatives	<b>Activity 3:</b> To verify Rolle's Theorem.
		Ch- 5 Continuity and Differentiability		
August	22	Ch- 6 Applications of Derivatives	Applications of derivatives: rate of change of quantities, increasing/decreasing functions, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real life situations).	<b>Activity 4:</b> To understand the concepts of decreasing and increasing functions  <b>Activity 5:</b> To verify that amongst all the rectangles of the same perimeter, the square has the maximum area.
		Ch- 7 Integrals	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them. Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals	<b>Activity 6:</b> To evaluate the definite integral from a to b of given function as the limit of a sum and verify it by actual integration.
September	11	Ch-8 Applications of the Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	-
		Ch- 12 Linear Programming	Introduction, related terminology such as constraints, objective function, optimization, graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).	Group assessment
October	14	Ch- 10 Vectors	Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.	<b>Activity 7:</b> To verify that angle in a semicircle is a right angle, using vector method.
		Ch- 11 Three - dimensional Geometry	Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines	<b>Activity 8 :</b> To sketch the graphs of a rise to x and $\log x$ , $a > 0$ , a is not equal to 1 and to examine that they are mirror images of each other. <b>Activity 9 :</b> To measure the shortest distance between two skew lines and verify it analytically.
November	15	Ch- 13 Probability	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution, mean of random variable.	<b>Activity 10:</b> To explain the computation of conditional probability of a given event A when event B has already occurred, through an example of throwing a pair of dice.
December	25	Ch- 9 Differential Equations	Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation of the type: $dy/dx + py = q$ , where p and q are functions of x or constants. $dx/dy + px = q$ , where p and q are functions of y or constants	Mind Map
January	13	-	-	-
February	22	-	-	-

**GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)**

Applied Mathematics				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	22	Ch-2 Matrices	Inverse of A Matrix Solving system of simultaneous equations using matrix method Cramer's Rule Algebra of Matrices Matrices and types of Matrices Determinants Equality of Matrices Transpose of a Matrix Symmetric and Skew Symmetric Matrix	Using spreadsheet find the inverse of a matrices.
		Ch- 2 Determinants	Determinant of a square matrix (up to 3 x 3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples.	Draw Mid map
May	2	Ch- 2 Determinants (Continued)	solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.	Solve application base Case Study
June	18	Ch-1Numbers, Quantification and Numerical Applications	Congruence Modulo Modulo Arithmetic Numerical Inequalities Alligation And Mixture Numerical Problems Boats and Streams (Upstream And Downstream) Races and Games Pipes and Cisterns	To understand the concepts of Congruence Modulo and Equivalence Class by finding congruence modulo 6 and of first 50 natural numbers. Segregate the above results on the basis of their remainders for mod 6.
		chapter -1 Relations and Functions	Components of Time Series Methods of Measuring Trend Time Series Secular Trend Time Series Analysis for Univariate Data	Collect data from newspapers on traffic, sports activities and market trends and use excel to study future trends
July	20	Ch-3A- Differentiation and its Applications	Marginal Cost and Marginal Revenue using Derivatives Maxima and Minima Application of Derivatives Higher-Order Derivatives Increasing /Decreasing Functions	Find Area between curves.
August	22	Ch- 3B- Integration	Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, Evaluation of simple integrals of the following types and problems based on them.Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals	<b>Activity</b> :To evaluate the definite integral from a to b of given function as the limit of a sum and verify it by actual integration.
September	11	Ch-8 Applications of the Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses (in standard form only)	
		Ch-5 Inferential Statistics	Population and Sample t-Test (One-Sample T-Test and Two Independent Groups T-Test) Parameter and Statistics and Statistical Interferences	Project Work: Analysis of population migration data – positive and negative influence on urbanization
October	14	Ch-7 Financial Mathematics	Calculation of Emi Linear Method of Depreciation Perpetuity Sinking Funds Compound Annual Growth Rate Calculation of Returns Nominal Rate of Return	Stock Market data sheet on excel.Real life examples of sinking fund, Advantages of Sinking Fund, Sinking Fund vs. Savings account
		Ch-8 Linear Programming Problem	Feasible and Infeasible Solutions Optimal Feasible Solution Introduction and Related Terminology Feasible and Infeasible Regions Mathematical Formulation of linear programming problem Graphical method of solution for problems in two variables	Assignment of a company by choosing a certain number of employees to complete the assignment within the required deadline, given that a single person works on only one job within the assignment. In this type of problem, the number of employees, the work hours of each employee etc. are
November	15	Ch-4Probability Distributions	Variance Mathematical Expectation Normal Distribution Probability Distribution Poisson Distribution Binomial Distribution	Find conditional probability of an event.
December	25	Ch-3C-Differential Equations and Modeling	Application of Differential Equations Differential Equations Formulating and Solving Differential Equations	Data Analysis through Excel



**GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)**

**Business Studies**

Month	No. of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	22	1. Nature and Significance of Management	Management - concept, objectives, and importance Management as science, art and profession Levels of Management Management Functions - planning, organizing, staffing, directing and controlling Coordination - concept and importance	Chart for levels of management
		2. Principles of Management	Principles of Management - concept and significance Fayol's principles of management Taylor's scientific management- principles and techniques	A detailed case study for scientific principles of management
May	2	Test	Test	
June	18	3. Business Environment	Business Environment - concept and importance Dimensions of Business Environment - Economic, Social, Technological, Political and Legal Demonetization - concept and features	Study of business environment from current industrial situations
July	20	11. Marketing	Marketing – concept, functions and philosophies Marketing Mix – concept and elements Product – branding, labelling and packaging – concept Price - Concept, Factors determining price Physical Distribution – concept, components and channels of distribution Promotion – Concept and elements; Advertising, Personal Selling, Sales Promotion and Public Relations	Prepare a project for a new product marketing mix
August	22	4. Planning	Planning: concept, importance and limitation Planning process Single use and Standing Plans. Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme	Chart and a mind map for types of plans
		5. Organizing	Organising: Concept and importance Organising Process Structure of organisation- functional and divisional concept. Formal and informal organization - concept Delegation: concept, elements and importance Decentralization: concept and importance	Group discussion on formal and informal concept of organisation
		6. Staffing	Staffing: Concept and importance of staffing Staffing as a part of Human Resource Management concept Staffing process Recruitment process Selection – process Training and Development - Concept and importance, Methods of training - on the job and off the job - vestibule training, apprenticeship training and internship training	Case study for recruitment and selection
September	11	7. Directing	Directing: Concept and importance Elements of Directing Motivation - concept, Maslow's hierarchy of needs, Financial and non-financial incentives Leadership - concept, styles - authoritative, democratic and laissez faire Communication - concept, formal and informal communication; barriers to effective communication, how to overcome the barriers?	Stories of Successful business leaders
October	14	8. Controlling	Controlling - Concept and importance Relationship between planning and controlling Steps in process of control	Chart for steps in the process of controlling
November	15	9. Financial Management	Financial Management: Concept, role and objectives Financial decisions: investment, financing and dividend - Meaning and factors affecting Financial Planning - concept and importance Capital Structure – concept and factors affecting capital structure Fixed and Working Capital - Concept and factors affecting their requirements	Discussion on Financial planning of Current firm
		10. Financial Markets	Financial Markets: Concept Money Market: Concept Capital market and its types (primary and secondary) Stock Exchange - Functions and trading procedure Securities and Exchange Board of India (SEBI) - objectives and functions	Study of Role of SEBI
December	25	12. Consumer Protection	Consumer Protection: Concept and importance The Consumer Protection Act, 2019. Meaning of consumer, Rights and responsibilities of consumers Who can file a complaint?, Redressal machinery, Remedies available Consumer awareness - Role of consumer organizations and Non-Governmental Organizations (NGOs)	Case study based on Consumer Protection Act and rights and responsibilities of a consumer
January	13	Revision and doubt solving		
February	22			

Accountancy

Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
		PART -2		
		Chapter 1 Accounting for share capital	Introduction of Share and share capital: nature and types, Issue of Shares, Accounting treatment for forfeiture and reissue of shares	Study about Joint Stock Companies Act
April	22			
		TEST	Accounting for Share Capital	
May	2			
		2. Accounting For Debentures	Journal entries for Issue of Debentures, Journal entries with the terms of Redemption, Issue of Debentures as Collateral Security, Issue of Debentures other than Cash	Format of Journal
		3. Financial Statements of the Company	Major head- Sub Heads	Format of Company's Profit and Loss Statement and Balance Sheet
June	18	4. Comparative-Commonsize Statements	Comparative Balance Sheet and Profit and Loss Statement, Commonsize Balance Sheet and Profit and Loss Statement	
		5. Accounting Ratios	Calculation of different Ratios and Interpretation	
July	20	3. Cash flow statement	Preparation of Cash flow statement	
		3. Cash flow statement	Preparation of Cash flow statement	
		PART-I		
		1. Accounting for Partnership Firms - Basic Concepts	Partnership: features, Partnership Deed. • Provisions of the Indian Partnership Act 1932 Fixed v/s fluctuating capital accounts. Preparation of Profit and Loss Appropriation Account, Division of profit among partners, guarantee of profits to a partner, Past Adjustments	Format of Partners' Capital Accounts
August	22			
		2. Admission of new partner	New profit sharing ratio, Sacrificing Ratio, Goodwill, Revaluation Account and Partners Capital account, Adjustment of Capitals	Format of Revaluation Account
		Revision		
September	11			
		2. Admission of new partner	Change in Profit Sharing ratio among the Existing Partners	
		3. Retirement/Death of a Partner	Ascertaining the Amount due to Retiring/Deceased Partner, New Profit Sharing Ratio, Gaining ratio, Treatment of goodwill (as per AS 26), Adjustments for revaluation of assets and reassessment of liabilities, Revaluation account, Partners Capital Account	Format of Retiring/Deceased Partner's Capital Account
October	14			
November	15	3. Retirement/Death of a Partner	Executor's Loan Account	Format of Executor's Loan Account
		Dissolution of Partnership Firms	Dissolution of Partnership, Dissolution of Partnership Firms, Settlement of Accounts, Accounting Treatment	Format of Realisation Account
		Revision		
December	25			
		Pre-Board Exam		
January	13			

GRADE 12 SPLIT UP SYLLABUS (2025-2026)				
Economics				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	22	Indian Economic Development : Chapter 1 Indian Economy on the Eve of Independence	become familiar with the state of the Indian economy in 1947, the year of India's Independence. understand the factors that led to the underdevelopment and stagnation of the Indian economy.	Prepare a list of goods and services that were available to people in pre-independence India in rural and urban areas. Compare it with the consumption pattern of such goods and services by the people today. Highlight the perceptible difference in the people's standard of living.
		Indian Economic Development : Chapter 2 Indian Economy 1950-1990	The goals of Five Year Plans Agriculture Industry and trade Trade policy : Important substitution	Prepare pie chart on the occupational structure of the Indian economy.
		Introductory Macroeconomics : Chapter 1 Introduction	Introductory Macroeconomics : Chapter 1 Introduction	Differentiate between : Microeconomics & Macroeconomics
		Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
May	2	Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
June	18	Introductory Macroeconomics : Chapter 2 National Income Accounting.....Continue	Circular flow of Income National income and related aggregates : Some basic concepts Measurement of national income : Methods of calculating national income	Numerical Problems on different methods of calculation of National Income a- Product Method b- Income Method c- Expenditure Method
July	20	Indian Economic Development : Chapter 3 Liberalisation, Globalisation and Privatisation	Background Liberalisation Globalisation Privatisation Indian economy during reforms	Was it necessary for India to introduce economic reforms at the behest of World Bank and International Monetary Fund? Was there no alternative for the government to solve the balance of payments crisis? Discuss in the classroom.
		Introductory Macroeconomics : Chapter 3 Money and Banking	Functions of money Demand and supply of money Money creation by banking system Policy tools to control money supply	Numerical problems on : Money supply Money creation
August	22	Indian Economic Development : Chapter 4 Human Capital Formation In India	What is human capital? Sources of human capital Human capital and human development State of human capital formation in India Education sector in India Future prospects	Identify how Human Development Index is calculated. What is the position of India in the World Human Development Index?
		Introductory Macroeconomics : Chapter 4 Determination of Income and Employment	Aggregate demand & aggregate supply Income determination and multiplier Excess demand and deficient demand	Curves related to various functions of economy Numerical problems on : APC, APS, MPC, MPS Investment Multiplier 'K'
September	11	Indian Economic Development : Chapter 5 Rural Development	What is rural development? Credit marketing in rural areas Agriculture market system Diversification in product activities Sustainable development and organic farming	Enlist some problems faced by farmers during the initial years of organic farming.
		Introductory Macroeconomics : Chapter 5 Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numerical problems on : Revenue deficit Fiscal deficit Primary deficit
October	14	Indian Economic Development : Chapter 6 Employment : Growth, Informalisation and Other Issues	Workers and employment Participation of people in employment Self-employed and hired workers Employment in firms, factories and offices Growth and changing structure of employment Informalisation of Indian workforce Government and employment generation	In recent years, you may have noticed that many voluntary organisations also take initiatives to generate employment in hilly and dry land regions. If you find such initiatives in your locality, visit and prepare a report
		Introductory Macroeconomics : Chapter 5 Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numerical problems on : Revenue deficit Fiscal deficit Primary deficit
November	15	Indian Economic Development : Chapter 7 Environment and sustainable development	Environment : definition and functions State of India's environment Sustainable development Strategies for sustainable development	Prepare a chart on the causes and remedies of soil erosion in India.
		Introductory Macroeconomics : Chapter 5 Government Budget and the Economy .....Continue	Budget : Meaning, Features Objectives Budget : Structure and Components Meaning of Budget receipts and expenditure Budget deficit and its types	Numerical problems on : Revenue deficit Fiscal deficit Primary deficit
December	25	Indian Economic Development : Chapter 8 Comparative Development Experiences of India and Neighbours	Developmental path - A snapshot Demographic indicators GDP and sectors Indicators of human development Development strategies - An appraisal	A class debate on the issue of free trade between India and China and India and Pakistan.
		Introductory Macroeconomics : Chapter 6 Open Economy Macroeconomics	The balance of payments Foreign exchange rate	Numerical problems on : Current account balance Capital account balance
January	13	AISSCE - Practical / Viva 2025-26		
February	22	AISSCE - Theory 2025-26		

GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)				
Entrepreneurship				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	22	Chpter 1 Entrepreneurial Opportunity		
			Sensing Entrepreneurial Opportunities Environment Scanning and Problem Identification Spotting Trends Creativity and Innovation • Selecting the Right Opportunity	practical project for problem identification and turn it in an opportunity
May	2			
June	18	Chpter 2: Entrepreneurial Planning	Forms of business organization- Sole proprietorship, Partnership, Company Business Plan: concept, format "Components: Organisational plan; Operational plan; Production plan; Financial plan; Marketing plan; Human Resource planning"	Project for business planning
July	20	Unit 3: Enterprise Marketing	Marketing and Sales Strategy Branding, Logo, Tagline Promotion Strategy	Product Marketing
August	22	Unit 3: Enterprise Marketing (Continue)	Negotiations - Importance and Methods Customer Relationship Management Vendor Management	Project preparation
		Chpater 4: Enterprise Growth Strategies	Franchising: Concept, types, advantages, limitations. Mergers and Acquisition: Concept, reasons, types.	
September	11	Chpater 4: Enterprise Growth Strategies	Reasons for failure of Mergers and Acquisitions	Chart preparation for Types of franchising
October	14	Revision		
		Chapter 5: Business Arithmetic	Unit of Sale, Unit Cost for multiple products or services " Break even Analysis for multiple products or services	Numerical solution
November	15	Unit 6: Resource Mobilization	"Capital Market- Primary and Secondary Stock Exchange- Concept, features, functions and importance" Securities and Exchange Board of India History, establishment, powers	Group discussion on financial resources
December	25	Unit 6: Resource Mobilization ( Continue)	Angel Investor: Features	Study Of Share market
January	13	Revision		
		PRE-BOARDS		

GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)					
Political Science					
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical	
April	21	Part-1 Chapter 1- The End of Bipolarity	Topics to be focused: a) The Soviet System b) Gorbachev and the disintegration c) Causes and Consequences of disintegration of Soviet Union d) Shock Therapy and its Consequences e) New entities in world politics <input type="checkbox"/> Russia <input type="checkbox"/> Balkan States <input type="checkbox"/> Central Asian States f) India's relations with Russia and other post-communist countries	Group Discussion: Causes and consequences of disintegration of USSR Documentaries-Past & present situations in USSR/Post Soviet Republics Analysis of relevant newspaper articles	
		Part-1 Chapter 2Contemporary Centres of Power	Topics to be focused: a) European Union b) Association of Southeast Asian Nations	Discussion: Importance on regional organisations Comparative study:	
June	22	Part-1 Chapter 2Contemporary Centres of Power (conti...)	c) Rise of China as an economic power d) Japan and South Korea as emerging powers	Economic growth of China, Japan and South Korea. Use of timeline Inquiry based learning Map activity Interpretation of cartoons/ Pictures/ Newspaper clippings	
		Part-2 Chapter:1Challenges of Nation-Building	Topics to be focused: a) Challenges for the new Nation. <input type="checkbox"/> Three Challenges. b) Partition: Displacement and Rehabilitation. <input type="checkbox"/> Consequences of Partition.	Documentaries Discussion: Causes and consequences of Partition Live Experiences-Meeting People who lived through this period.	
July	6+12	Part-2 Chapter:1Challenges of Nation-Building	c) Integration of Princely States. <input type="checkbox"/> The problem <input type="checkbox"/> Government's approach <input type="checkbox"/> Hyderabad <input type="checkbox"/> Manipur d) Reorganisation of States	Cartoon Interpretation Map Activity	
		Part-2 Chapter:3Politics of Planned Development	Politics of Planned Development Topics to be focussed: a) Political contestation. <input type="checkbox"/> Ideas of Development. <input type="checkbox"/> Planning <input type="checkbox"/> Planning Commission b) The Early Initiatives <input type="checkbox"/> The First Five Year Plan. <input type="checkbox"/> Rapid Industrialisation	Politics of Planned Development Topics to be focussed: a) Political contestation. <input type="checkbox"/> Ideas of Development. <input type="checkbox"/> Planning <input type="checkbox"/> Planning Commission b) The Early Initiatives <input type="checkbox"/> The First Five Year Plan. <input type="checkbox"/> Rapid Industrialisation	
August	23		Era of One-Party Dominance Topics to be focussed: a) Challenge of building democracy		
		Part-2 Chapter:2 Era of One-Party Dominance	b) Congress dominance in the first three general elect ions. <input type="checkbox"/> Nature of Congress dominance <input type="checkbox"/> Congress as social and ideological coalition. <input type="checkbox"/> Tolerance and management of Factions c) Emergence of opposition parties	Maps/Cartoons Question strategy Quiz	
		Part-2 Chapter:4 India's External Relations	a) International Context b) The Policy of NonAlignment. <input type="checkbox"/> Nehru's role <input type="checkbox"/> Distance from two camps. <input type="checkbox"/> Afro Asian Unity c) Peace and conflict with China <input type="checkbox"/> The Chinese Invasion1962 <input type="checkbox"/> War and Peace with Pakistan <input type="checkbox"/> Bangladesh War 1971 d) India's Nuclear Policy.	Presentation: NAM founders, objectives, principles and its relevance in contemporary world politics Group discussion: India's relations with China and Pakistan (past, present and future) Debate: India's stand on shifting alliances Research and Report Writing	
September	5 + 6	Part-1 Chapter:3Contemporary South Asia	Topics to be focused: a) Military and Democracy in Pakistan and Bangladesh b) Monarchy and Democracy in Nepal c) Ethnic Conflict and Democracy in Sri Lanka d) India-Pakistan Conflicts e) India and its Neighbours f) Peace and Cooperation	Map activity Comparative Analysis: Political systems of South Asian countries Use of Historical data Interpretation of cartoons/Pictures /Newspaper clippings Discussion: Current economic crisis in Sri Lanka and Pakistan	
October		Part-1 Chapter:4 International Organization	a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations d) Principal Organs of UN e) Reform of the UN after Cold War f) Reform of Structures, Processes and Jurisdiction of the UN g) India and the UN Reforms h) Key Agencies: IMF, World Bank, WTO, ILO, IAEA. i) NGO: Amnesty International, Human Rights Watch. j) Implications and Future of International Organizations	Discussion and debate: Necessary reforms of the UN After completion of the chapter, Students will be able to: Topics to be focused: a) Meaning and importance of International Organisations b) Evolution of the UN c) Structure and function of International Organisations d) Principal Organs of UN e) Reform of the UN after Cold War f) Reform of Structures, Processes and Jurisdiction of the UN g) India and the UN Reforms Interpretation of cartoons /Newspaper clippings Quiz Model United Nations	
		Part-2 Chapter:5Challenges to and Restoration of the Congress System	Topics to be focused: a) Challenge of Political Succession <input type="checkbox"/> From Nehru to Shastri <input type="checkbox"/> From Shastri to Indira Gandhi b) Fourth General Election 1967 <input type="checkbox"/> Context of the Election. <input type="checkbox"/> Non Congressism <input type="checkbox"/> Electoral Verdict <input type="checkbox"/> Coalitions <input type="checkbox"/> Defections c) Split in the Congress <input type="checkbox"/> Indira vs the Syndicate <input type="checkbox"/> Presidential Election 1969 d) The 1971 Election and Restoration of Congress <input type="checkbox"/> The outcome and after <input type="checkbox"/> Restoration?	Use of timeline Comparative analysis: Political Succession Group discussion: Changing electoral performance of the congress Interpretation of cartoons Map Activity	

		22	Part-2 Chapter:6The Crisis of Democratic Order	: a) Background to Emergency. □ Economic Context. □ Gujarat and Bihar Movements □ Conflict with Judiciary b) Declaration of Emergency □ Crisis and response □ Consequences Group discussion: Based on Newspaper articles and other media information with respect to emergency, c) Lessons of the Emergency.	Group discussion: Based on Newspaper articles and other media information with respect to emergency Quiz Cartoon Interpretation Map Activity	
November		14	Part-1 Chapter:5 Security in the Contemporary World	Topics to be focused: a) Meaning and Type of Security. b) Traditional concept of security c) Non-tradition notions of Security. d) New Sources of Threats e) Cooperative Security f) India's Security strategy	Discussions and debates: New sources of threat Comparative analysis: Security concerns of different countries Interpretation of cartoons/Pictures Collaborative concept mapping: India's initiatives and policies towards security.	
			Part-2 Chapter: 7 Regional Aspirations	Topics to be focused: a) Region and the Nation □ Indian Approach □ Areas of Tension □ Jammu and Kashmir □ Roots of the Problem □ External and Internal disputes □ Politics since 1948 □ Insurgency and After □ 2022 and Beyond b) Punjab □ Political Context □ Cycle of Violence □ Road to Peace c) The Northeast □ Demand for autonomy □ Secessionist Movements □ Movements against outsiders □ Assam and Nationa	Topics to be focused: a) Region and the Nation □ Indian Approach □ Areas of Tension □ Jammu and Kashmir □ Roots of the Problem □ External and Internal disputes □ Politics since 1948 □ Insurgency and After □ 2022 and Beyond b) Punjab □ Political Context □ Cycle of Violence □ Road to Peace c) The Northeast □ Demand for autonomy □ Secessionist Movements □ Movements against outsiders □ Assam and Nationa	
			Part-2 Chapter:8 Recent Developments in	Topics to be focused a) Context of 1990s b) Era of Coalition □ Alliance Politics c) Political rise if the Backward Classes □ Mandal Implemented □ Political Fallouts d) Communalism, Secularism and Democracy. □ Ayodhya Dispute □ Demolition and after e) Emergence of New Consensus f) Lok Sabha Elections 2004 g) Growing Consensus	Comparative analysis: Different developments taking place in present scenario with that of twentieth century. Timeline Interpretation of Cartoons/Caricatures Quiz Reflective Enquiry	
December		23	Part-1 Chapter:6 Environment and Natural Resources	Topics to be focused: a) Environmental Concerns b) Global Commons c) Common but differentiated Responsibilities d) India's Stand on Environment Issues e) Environmental Movements f) Resource Geopolitics g) Rights of Indigenous peoples	Presentation: Environmental issues Recapitulation Debate and discussion: Indigenous communities of the world and their concerns Newspaper activity to inculcate concern, awareness and environmental morality	
			Part-1 Chapter : 7 Globalisation	a) Concept of globalisation b) Causes and Consequences of globalisation c) India and globalization d) Resistance to globalization e) India and resistance to globalisation	Group discussion: Positive and negative impact of globalization. Interpretation of Cartoons Question strategy	
January		16	<b>Pre- Boards &amp; Board Examination</b>			
February		21				

GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)				
Psychology				
Month	No. Of Teaching Days	Chapter's Name	Topic	Writing Skills/ Activity/ Practical
April	21	Chapter 1 : variations in psychological attributes	<u>Assessment of Psychological Attributes</u>	Activity 1-Find out the IQ of a 14-year-old child with a mental age of 16.
			<u>Intelligence</u>	-Find out the mental age of a 12-year-old child with an IQ of 90.
			<u>Theories of Intelligence</u>	
			<u>Individual Differences in Intelligence</u>	Activity 2. Discovering the Attributes of Intelligent Persons.
			<u>Culture and Intelligence</u>	
			<u>Individual Differences in Human Functioning</u>	
			<u>Special Abilities: Aptitude: Nature and Measurement</u>	
June	22	Chapter 2 : self and personality	1. Introduction 2. Self and Personality 3. Concept of Self 24 Periods 4. Cognitive and Behavioural Aspects of Self 5. Culture and Self 6. Concept of Personality 7. Major Approaches to the Study of Personality <input type="checkbox"/> Type Approach <input type="checkbox"/> Trait Approach <input type="checkbox"/> Psychodynamic Approach <input type="checkbox"/> Behavioural Approach <input type="checkbox"/> Cultural Approach <input type="checkbox"/> Humanistic Approach 8. Assessment of Personality <input type="checkbox"/> Self-report Measures <input type="checkbox"/> Projective Techniques	Activities: 1. Understanding the Self questionnaire 2. Observe and note your behaviour characteristics and those of your friends that have been imbibed from popular youth icons 3. Personality assessment Test
July	6+12	Chapter 3 : meeting life challenges	1. Introduction 2. Nature, Types and Sources of Stress 3. Effects of Stress on Psychological Functioning and Health <input type="checkbox"/> Stress and Health <input type="checkbox"/> General Adaptation Syndrome <input type="checkbox"/> Stress and Immune System <input type="checkbox"/> Lifestyle 4. Coping with Stress <input type="checkbox"/> Stress Management Techniques 5. Promoting Positive Health and Well-being <input type="checkbox"/> Stress Resistant Personality <input type="checkbox"/> Life Skills <input type="checkbox"/> Positive Health	Identify the stressful events, which you and two your classmates have experienced in the past one year. List the stressful events and rank them from 1 to 5 that have had negative impact in your day-to-day functioning, then select those that are common to all three of you. Find out how much ability, skill and family support your friends and you have in order to deal with each of these stresses. Discuss these with your teacher.
August	23	Chapter 4: psychological disorders	1. Introduction 2. Concepts of Abnormality and Psychological Disorders <input type="checkbox"/> Historical Background 3. Classification of Psychological Disorders 24 Periods 4. Factors Underlying Abnormal Behaviour 5. Major Psychological Disorders <input type="checkbox"/> Anxiety Disorders <input type="checkbox"/> Obsessive-Compulsive and Related Disorders <input type="checkbox"/> Trauma-and Stressor-Related Disorders <input type="checkbox"/> Somatic Symptom and Related Disorders <input type="checkbox"/> Dissociative Disorders <input type="checkbox"/> Depressive Disorder <input type="checkbox"/> Bipolar and Related Disorders <input type="checkbox"/> Schizophrenia Spectrum and Other Psychotic Disorders <input type="checkbox"/> Neurodevelopmental Disorders <input type="checkbox"/> Disruptive, Impulse-Control and Conduct Disorders <input type="checkbox"/> Feeding and Eating Disorders <input type="checkbox"/> Substance Related and Addictive Disorders	Certain behaviours like eating sand would be considered abnormal. But not if it was done after being stranded on a beach in a plain crash. Listed below are abnormal behaviours followed by situations where the behaviours might be considered normal. - (i) talking to yourself - you are praying. - (ii) standing in the middle of the street waving your hands wildly - you are a traffic policeman. Think about this and list out similar examples.
September	5+6	Chapter 5 : therapeutic approaches	1. Nature and Process of Psychotherapy <input type="checkbox"/> Therapeutic relationship 2. Types of Therapies <input type="checkbox"/> Psychodynamic Therapy <input type="checkbox"/> Behaviour Therapy <input type="checkbox"/> Cognitive Therapy <input type="checkbox"/> Humanistic-Existential Therapy <input type="checkbox"/> Biomedical Therapy <input type="checkbox"/> Alternative Therapies 3. Rehabilitation of the Mentally Ill	Case Study



[illegible]

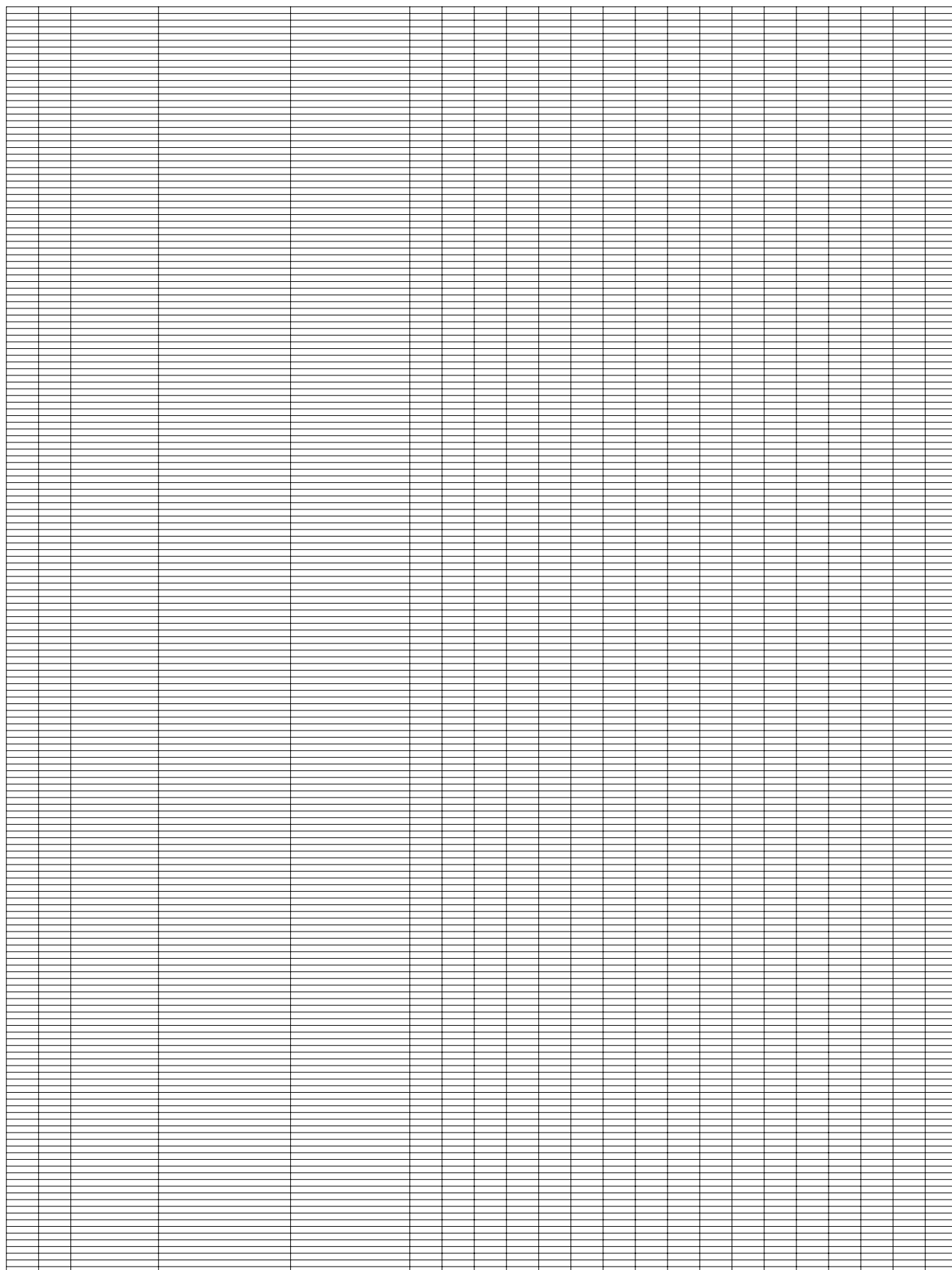


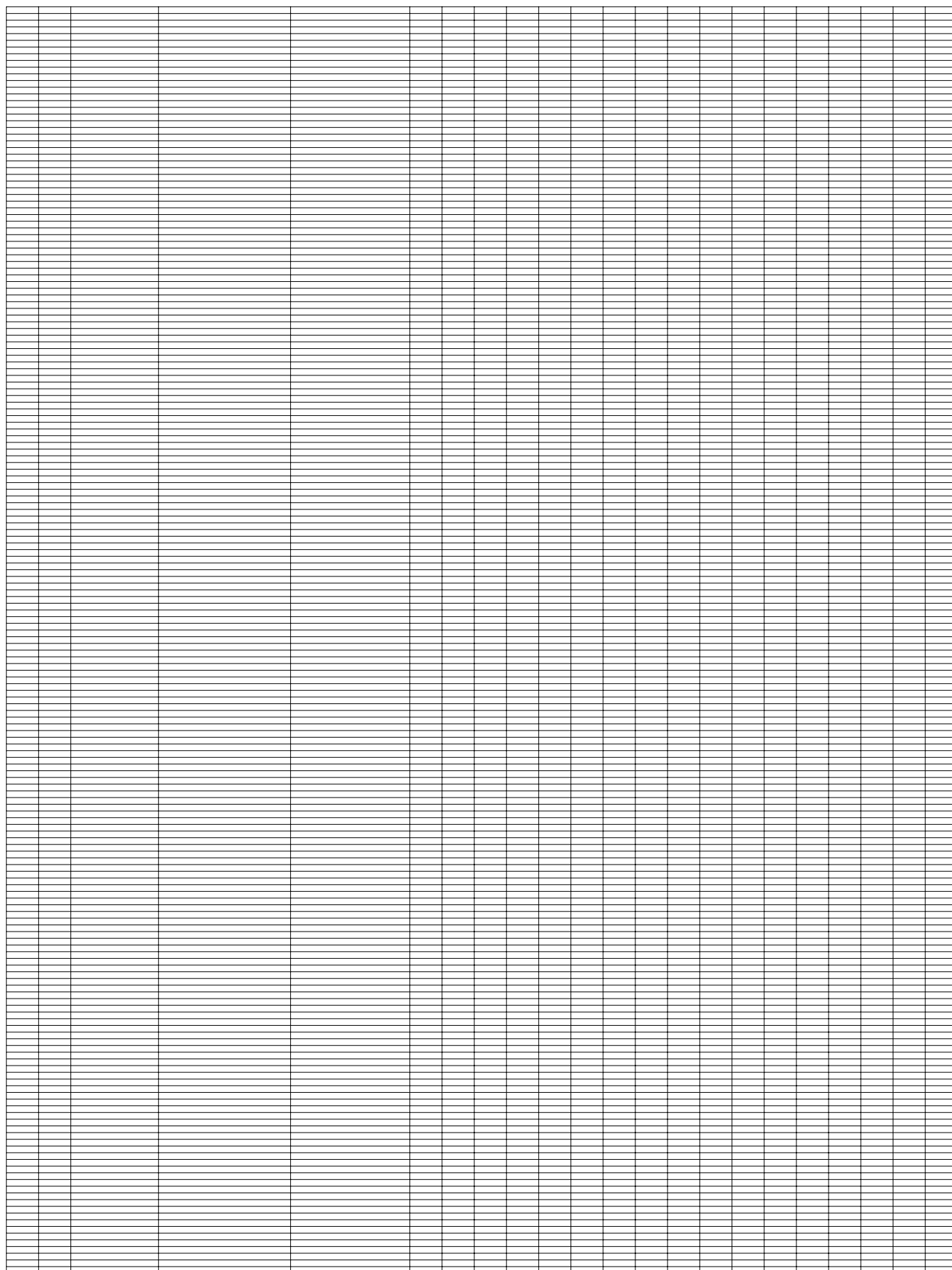
**GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)**

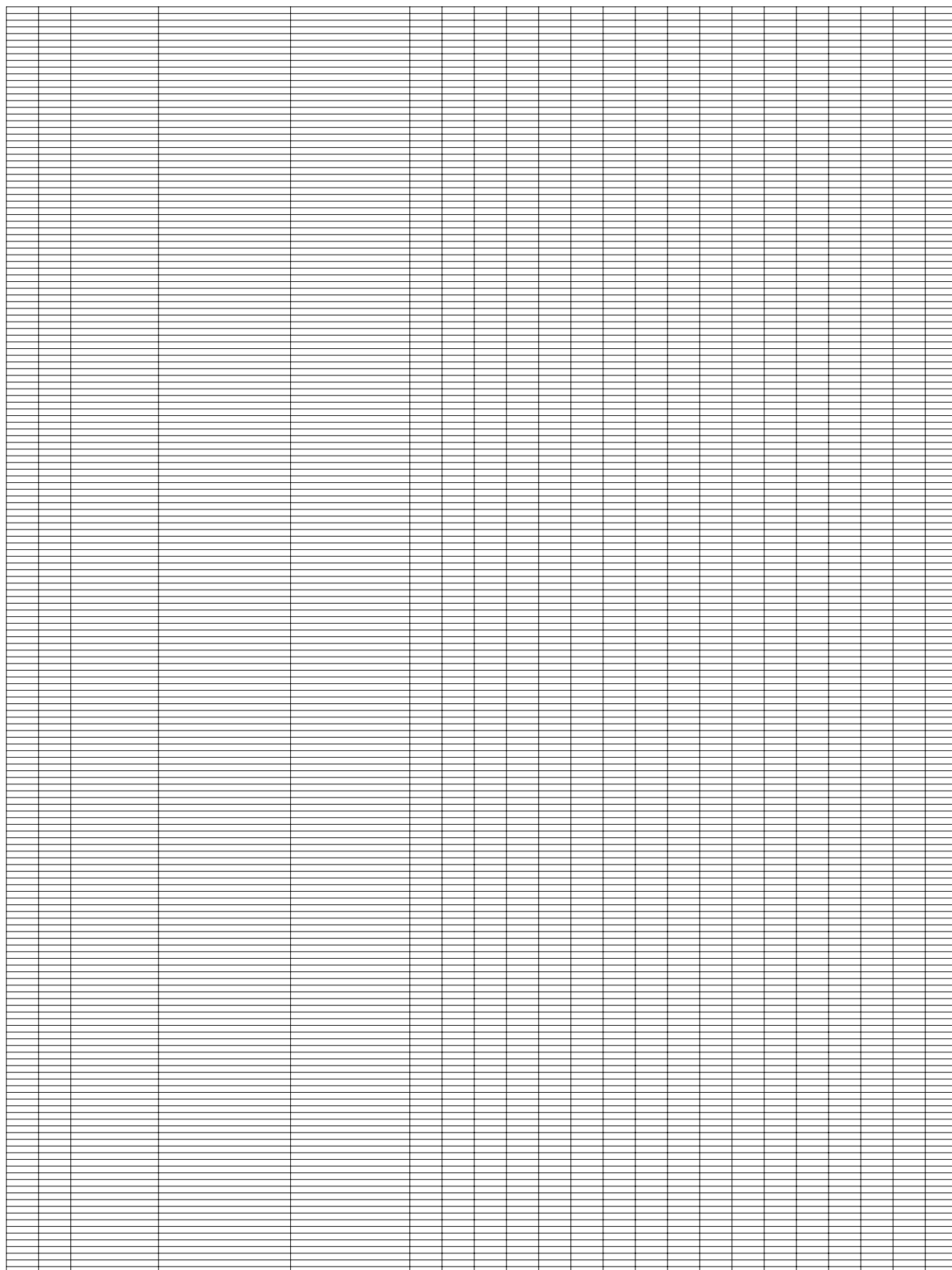
**Sociology**

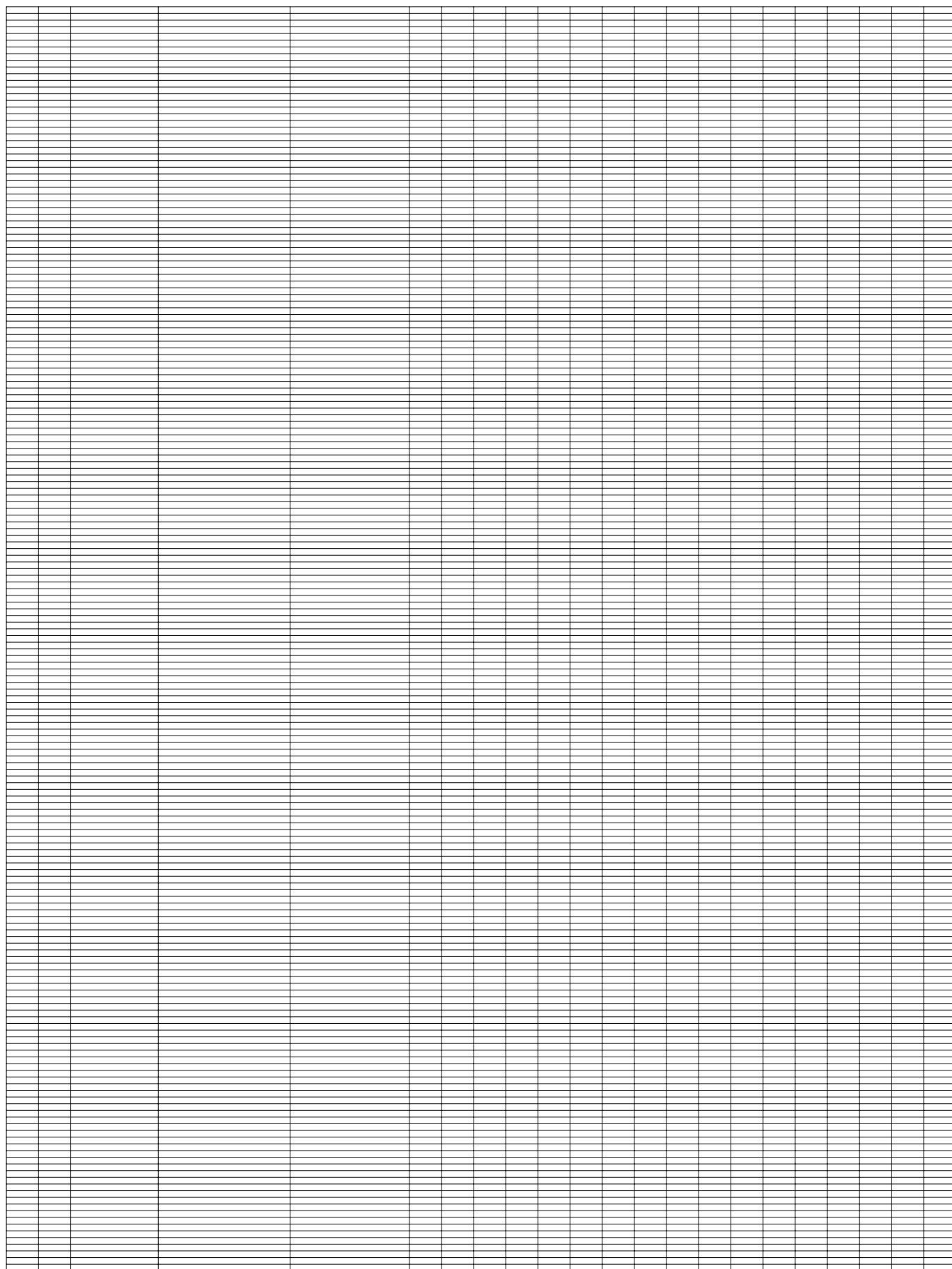
Month	No. Of Teaching Days	chapter name	Topic	Writing Skills/ Activity/ Practical
<b>April</b>	<b>21</b>	2. The Demographic Structure of Indian Society	The Demographic Structure of the Indian Society □ Theories and concepts in demography □ Rural-Urban Linkages and Divisions □ Population Policy in India	Introduction, Statement of Purpose/Need and objectives of the study, Hypothesis/Research Question, Review of Literature, Presentation of Evidence, Methodology, Questionnaire, Data Collection.
<b>June</b>	<b>22</b>	3. Social Institutions: Continuity and Change	Social Institutions: Continuity and Change □ Caste and the Caste System □ Tribal Communities □ Family and Kinship	
<b>July</b>	<b>6+12</b>	5. Patterns of Social Inequality and Exclusion	Patterns of Social Inequality and Exclusion □ Social Inequality and Social Exclusion □ Systems justifying and perpetuating Inequality - Caste, Tribe, the Other Backward Classes □ Adivasi Struggles □ The Struggle for Women's Equality and Rights □ The struggles of the Differently Abled	Significance and relevance of the topic; challenges encountered while conducting the research.
<b>August</b>	<b>23</b>	6. The Challenges of Cultural Diversity	The Challenges of Cultural Diversity □ Cultural communities and the nation state □ Regionalism in the Indian context □ The Nation state and religion related issues and identities □ Communalism, secularism and the nation state □ State and Civil Society	
<b>September</b>	<b>5+6</b>	8. Structural Change	Cultural Change □ Social Reform Movements □ Different Kinds of Social Change: Sanskritisation Westernization, Modernization, Secularization	Content analysis and its relevance in the current scenario. Conclusion, Limitations, Bibliography, Annexures and Overall Presentation.
<b>October</b>	<b>22</b>	9. Cultural Change	Change and Development in Rural Society □ Agrarian Structure : Caste & class in Rural India □ Land Reforms, Green Revolution and Emerging Agrarian society □ Green revolution and its social consequences □ Transformation in Rural Society □ Circulation of labour □ Globalization, Liberalization and Rural Society	vExternal/ Internal Viva based on the project
<b>November</b>	<b>14</b>			
<b>December</b>	<b>23</b>	11.Change and Development in Rural Society	Change and Development in Industrial Society □ From Planned Industrialization to Liberalization □ How people find Jobs □ Work Processes: How work is carried out, working conditions, home based work, Strikes and Unions	case study
<b>January</b>	<b>16</b>	Project and Practical Exam		
<b>February</b>	<b>21</b>			













[illegible]

**GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)**

<b>Computer Science</b>				
<b>Month</b>	<b>No. Of Teaching Days</b>	<b>Chapter's Name</b>	<b>Topic</b>	<b>Writing Skills/ Activity/ Practical</b>
<b>April</b>	<b>22</b>	Revision Tour Of Python	Revision of Python topics covered in Class XI. ● Functions: types of function (built-in functions, functions defined in module, user defined functions), creating user defined function, arguments and parameters, default parameters, positional parameters, function returning value(s), flow of execution, scope of a variable (global scope, local scope)	To reinforce concepts from all key units of Python and associated topics through hands-on activities and critical thinking.
		Unit 1: Computational Thinking and Programming – 2		
<b>June</b>	<b>18</b>	Unit -2 Functions And Exception handling	Exception Handling: Introduction, handling exceptions using try-except-finally blocks ● Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths ● Text file: opening a text file, text file open modes (r, r+, w, w+, a, a+), closing a text file, opening a file using with clause, writing/appending data to a text file using write() and writelines(), reading from a text file using read(), readline() and readlines(), seek and tell methods, manipulation of data in a text file ● Binary file: basic operations on a binary file: open using file open mod	Write a Python program to simulate a basic inventory management system using lists and dictionaries. Include operations like add, update, delete, search. Display the flow using a flowchart or pseudocode. Practical Task: Create a menu-driven Python application that: Allows users to add product name, quantity, and price. Calculates the total value of inventory. Uses loops and conditional statements.
<b>July</b>	<b>20</b>	Binary File Handling	Binary file: basic operations on a binary file: open using file open modes (rb, rb+, wb, wb+, ab, ab+), close a binary file, import pickle module, dump() and load() method, read, write/create, search, append and update operations in a binary file	Use functions for input, processing, and display. Implement exception handling for invalid data types or missing values. Practical Task: Demonstrate try, except, else, and finally blocks. Create a user-defined function for division and handle divide-by-zero errors.
<b>August</b>	<b>22</b>	CSV File and Data Structure	CSV file: import csv module, open / close csv file, write into a csv file using writer(), writerow(), writelines() and read from a csv file using reader() ● Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.	Read a CSV file containing employee records. Display highest-paid employee using dictionaries. Practical Task: Use csv.reader() and csv.writer(). Create a report of employees whose salary is above a threshold
<b>September</b>	<b>11</b>	Computer Network & Concept	Unit 2: Computer Networks ● Evolution of networking: introduction to computer networks, evolution of networking (ARPANET, NSFNET, INTERNET) ● Data communication terminologies: concept of communication, components of data communication (sender, receiver, message, communication media, protocols), measuring capacity of communication media (bandwidth, data transfer rate), IP address, switching techniques (Circuit switching, Packet switching) ● Transmission media: Wired communication media (Twisted pair cable, Co-axial cable, Fiber-optic cable), Wireless media (Radio waves, Micro waves, Infrared waves) Network devices (Modem, Ethernet card, RJ45, Repeater, Hub, Switch, Router, Gateway, WIFI card) ● Network topologies and Network types: types of networks (PAN, LAN, MAN, WAN), networking topologies (Bus, Star, Tree) ● Network protocol: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, TELNET, VoIP	Write a short note on the difference between IP address and MAC address.  Explain client-server and peer-to-peer network models with examples.  Practical Task (Theoretical): Identify and explain different types of network topologies using diagrams.  Explain DNS, HTTP, FTP in 2-3 sentences each.
<b>October</b>	<b>14</b>	Unit :3 Data base managment	Unit 3: Database Management ● Database concepts: introduction to database concepts and its need ● Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys (candidate key, primary key, alternate key, foreign key) ● Structured Query Language: introduction, Data Definition Language and Data Manipulation Language, data type (char(n), varchar(n), int, float, date), constraints (not null, unique, primary key), create database, use database, show databases, drop database, show tables, create table, describe table, alter table (add and remove an attribute, add and remove primary key), drop table, insert, delete, select, operators (mathematical, relational and logical), aliasing, distinct clause, where clause, in, between, order by, meaning of null, is null, is not null, like, update command, delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	Using MySQL or any SQL environment:  Execute queries for JOIN, GROUP BY, and aggregate functions.  Import CSV data into SQL and perform search queries.
<b>November</b>	<b>15</b>	Database managment II	delete command, aggregate functions (max, min, avg, sum, count), group by, having clause, joins: cartesian product on two tables, equi-join and natural join ● Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect(), cursor(), execute(), commit(), fetchone(), fetchall(), rowcount, creating database connectivity applications, use of %s format specifier or format() to perform queries	Normalization and its types. Difference between primary key and foreign key with examples. Design a relational database for a Library Management System: Create tables for books, members, and transactions. Use keys to define relationships.
<b>December</b>	<b>25</b>	Revision of all practical and theory portion	Practicals and board practicals practice and building program	
<b>January</b>			<b>Pre-Board Exams</b>	

**GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)**

<b>History</b>				
<b>Month</b>	<b>No. Of Teaching Days</b>	<b>Chapter's Name</b>	<b>Topic</b>	<b>Writing Skills/ Activity/ Practical</b>
<b>April</b>	<b>21</b>	Bricks, Beads and Bones The Harappa Civilisation	<ul style="list-style-type: none"> <li>□ Familiarize the learner with the early urban centers as economic and social institutions.</li> <li>□ Introduce the ways in which new data can lead to a revision of existing notions of history.</li> <li>□ Find the difference between an archeologist and historian who investigate and interpret historical and contemporary sources</li> </ul>	<ul style="list-style-type: none"> <li>□ To investigate, explore and interpret the early urban centres and social institutions.</li> <li>□ State and deduce the multilateral aspects of Harappan civilization to understand the first civilization of the world.</li> <li>□ Investigate and interpret historical and contemporary sources and viewpoints of ASI and historians on Harappa.</li> </ul>
		Kings, Farmers and Towns Early States and Economies (c.600 BCE600 CE)	<ul style="list-style-type: none"> <li>□ To Familiarize the learner with major trends in the political and economic history of the subcontinent.</li> </ul>	<ul style="list-style-type: none"> <li>□ To critically evaluate and interpret major trends in the political and economic history of the subcontinent.</li> <li>□ Analyse inscriptional evidences and the ways in which these have shaped the understanding of political and economic processes.</li> </ul>
<b>June</b>	<b>22</b>	Kingship, Caste and class Early Societies (c. 600 BCE600 CE)	<ul style="list-style-type: none"> <li>□ To Familiarize the learners with issues in social history.</li> <li>□ Introduce the strategies of textual analysis and their use in reconstructing social history.</li> <li>□ To appraise the condition of women during Mahabharata age.</li> </ul>	<ul style="list-style-type: none"> <li>□ To examine, analyse the issues of social history.</li> <li>□ Analyse social norms in order to understand the perspectives of society given in the scriptures of ancient India.</li> <li>□ Examine the varied dimensions explored by historians in order to understand dynamic approach of Mahabharata</li> </ul>
<b>July</b>	<b>18(6+12)</b>	Thinkers, Beliefs and Buildings Cultural Developments (c. 600 BCE600 CE)	<ul style="list-style-type: none"> <li>□ Discuss the major religious developments in early India.</li> <li>□ Introduce strategies of visual analysis and their use in reconstructing the theories of religion.</li> </ul>	<ul style="list-style-type: none"> <li>□ To infer and compare the major religious developments in early India.</li> <li>□ Elucidate the rich religious sculpture and infer the stories hidden in it.</li> </ul>
<b>August</b>	<b>23</b>	Through the eyes of Travellers Perceptions of Society (c. tenth to seventeenth centuries)	<ul style="list-style-type: none"> <li>□ Familiarize the learner with the salient features of social histories described by the travellers.</li> <li>□ Discuss how traveller's accounts can be used as sources of social history.</li> <li>□ Familiarise with the accounts of foreign travellers in order to understand the social political and economic life in the medieval period.</li> </ul>	<ul style="list-style-type: none"> <li>□ To understand salient features of social histories described by the travellers and apply the learning in real life.</li> <li>□ Elucidating the accounts of foreign travellers in order to understand the social political and economic life during the tenure of different rulers in the medieval period.</li> </ul>
		Bhakti-Sufi Traditions Changes in Religious Beliefs and Devotional Texts	<ul style="list-style-type: none"> <li>□ Familiarize the learner with the religious developments.</li> <li>□ Discuss ways of analysing devotional literature</li> </ul>	<ul style="list-style-type: none"> <li>□ Understand the religious developments.</li> <li>□ Summarize the philosophies of different Bhakti and Sufisaints to understand the religious developments during medieval period.</li> </ul>
<b>September</b>	<b>11(5+6)</b>	An Imperial Capital – Vijayanagar	<ul style="list-style-type: none"> <li>□ Acquaint the learner with the buildings monuments that were built during the time.</li> <li>□ To examine the 'excerpts or the sources more richness of mingled cultures of deccan India.</li> <li>□ Analyse accounts of foreign traveller's on Vijayanagar in order to interpret political, social and cultural life of the city.</li> </ul>	<ul style="list-style-type: none"> <li>□ Students will be able to Classify the distinctive architectural contributions of the Vijayanagar empire to comprehend the richness of mingled cultures of deccan India.</li> <li>□ Analyse accounts of foreign traveller's on Vijayanagar in order to interpret political, social and cultural life of the city.</li> </ul>
<b>October</b>	<b>22</b>	Peasants, zamindars and the States Agrarian Society and the Mughal Empire	<ul style="list-style-type: none"> <li>□ Engage the students to discuss the developments in agrarian relations.</li> <li>□ Discuss how to supplement official documents with other sources.</li> <li>□ Elaborate the agrarian changes occurred during sixteenth and seventeenth centuries.</li> <li>□ Explain the changes and differences in the agrarian sectors</li> </ul>	<ul style="list-style-type: none"> <li>□ Comprehend the facets of agrarian developments in order to understand the relationship between the state and the agriculture during Mughal period.</li> <li>□ Compare and contrast the agrarian changes occurred during sixteenth and seventeenth centuries</li> </ul>
		Colonialism and The Countryside Exploring Official Archives	<ul style="list-style-type: none"> <li>□ Discuss how colonialism affected zamindars, peasants and artisans.</li> <li>□ Explain the revenue systems introduced by the British to Comprehend the problems and limits of using official sources for understanding the lives of the people.</li> <li>□ Discuss about the types of records and reports.</li> </ul>	<ul style="list-style-type: none"> <li>□ Evaluate the revenue systems introduced by the British to understand the economic aspects of colonization in India.</li> <li>□ Analyse the colonial official records&amp; reports to understand the divergent interest of British and Indians.</li> </ul>
<b>November</b>	<b>14</b>	Rebels and Raj 1857 Revolt and its Representations	<ul style="list-style-type: none"> <li>□ Discuss how the events of 1857 are being interpreted.</li> <li>□ Discuss how visual material can be used by historians to narrate events.</li> <li>□ Understand the planning and execution of the plan.</li> <li>□ Highlight the united contribution made by the Indian soldiers.</li> </ul>	<ul style="list-style-type: none"> <li>□ To examine the events of 1857.</li> <li>□ Correlate the Planning and coordination of the rebels of 1857 to infer its domains and nature.</li> <li>□ Examine the momentum of the revolt to understand its spread.</li> </ul>
		Mahatma Gandhi and the National Movement Civil Disobedience and Beyond	<ul style="list-style-type: none"> <li>□ Discuss how Gandhi was perceived by different groups.</li> <li>□ Examine how historians need to read and interpret newspapers diaries and letters as a historical source.</li> <li>□ Throw light on nationalism and patriotism.</li> </ul>	<ul style="list-style-type: none"> <li>□ Understand the nationalist movement in chronological order.</li> <li>□ Explore the ways of interpreting historical source such as newspapers, biographies and autobiographies diaries and letters</li> </ul>
<b>December</b>	<b>23</b>	Framing of the Constitution The Beginning of a New Era	<ul style="list-style-type: none"> <li>□ Discuss how the founding ideals of the new nation state were debated and formulated.</li> <li>□ Understand how such debates and discussions can be read by historians.</li> <li>□ Discuss the other countries constitution and compare.</li> </ul>	<ul style="list-style-type: none"> <li>□ Highlight the role of Constituent Assembly to understand functionaries in framing the constitution of India.</li> <li>□ Analyse how debates and discussions around important issues in the Constituent Assembly shaped our Constitution</li> </ul>
		Including Map work of the related Themes	<p>Mature Harappan sites: Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, KotDiji.</p> <p>Territories/cities under British Control in1857: Punjab, Sindh, Bombay, Madras Berar, Bengal, Bihar, Orissa, Surat, Calcutta, Patna, Allahabad</p>	
<b>January</b>	<b>16</b>	<b>Pre- Boards &amp; Board Examination</b>		
<b>February</b>	<b>21</b>			

GRADE 12 -SPLIT UP SYLLABUS-(2025-2026)				
Painting				
Month	No. Of Teaching Days	Chapter's Name	Topic	Activities/ practical
April	22	Chapter - 1 = The Rajasthan school of painting	Introduction: rajasthan, melwa, marwad, mewad, bundi, kota, bikaner, kishangad, jodhpur	Lining Work, Sketching work
		The Rajasthani School of Miniature Painting	General introduction about Bhagavat puran, Shiv puran and mythological myth. Paintings: Maru Ragini, Chaugan Player, Krishna swings and Radha in sad mood, Bani Thani, Rama meets members of his family at chitrakut (16th Century A.D. to 19th Century A.D.) A brief introduction to Indian Miniature Schools: Western- Indian, Pala, Rajasthani and Pahari, Mughal and Deccan, Central India	
May	2			vacation homework ; Tint and Shade
June	18	Pahari School of Miniature Painting	Title Painter Krishna Lifting Mount Govardhan Miskin Falcon on a Bird-Rest Ustad Mansoor	Live ; Sketching work
July	20			Folk art, Madhubani art
August	22	The Mughal School of Miniature Painting	Falcon on a Bird-Rest Ustad Mansoor Kabir and Raidas Ustad Faquirullah Khan Marriage Procession of Dara Shukoh Haji Madni	Still Life, Object Drawing
September	11	The Deccan School:		Nature, Landscapes
October	14	The Bengal School of Painting and the Modern trends in Indian Art	(About the beginning to mid of the 20th Century), contribution of Indian artists towards freedom movement, Revival of Indian Art, Indian National Flag Appreciation of art works from your syllabus based on their: 1. Origin and Development 2. Main features 3. Characteristics 4. Aesthetic parameters 5. Symbolic representation in artworks. 6. Competency based identification of style & technique 7. Understanding of emotions and moral values 8. Respect for life.	Body part,
November	15	A National Flag of India :B The Bengal School of Painting	A National Flag of India: The Symbolic significance of its forms and the colours. Contribution of Indian artists in the struggle for National Freedom Movement. B The Bengal School of Painting Title Painter Journey's End Abanindranath Tagore Shiv and Sati Nandalal Bose Radhika M.A.R. Chughtai Meghdoot Ram Gopal Vijaivargiya	
December	25	The Modern Trends in Indian Art	C The Modern Trends in Indian Art Appreciation of the following contemporary	

			(Modern) Indian Art i. i. Paintings: Rama Vanquishing the Pride of the Ocean Raja Ravi Varma Title Painter Krishna Lifting Mount Govardhan Miskin Falcon on a Bird-Rest Ustad Mansoor Kabir and Raidas Ustad Faquirullah Khan Marriage Procession of Dara Shukoh Haji Madni 14 Mother and child Jamini Roy Haldi Grinders Amrita Sher Gill Mother Teresa M.F. Hussain ii. ii. Graphic - prints: Children Somnath Hore Devi Jyoti Bhatt Of Walls Anupam Sud		
January	13	Pre- Boards & Board Examination			





