

CLASS XII ENGLISH

Books: Flamingo , Vistas

Month	Topics	Sub Topics	Practical / Viva
April	THE LAST LESSON, MY MOTHER AT 66, LOST SPRING, THE THIRD LEVEL, NOTICE WRITING		
May	NOTICE WRITING, , REPORT WRITING, TIGER	FORMAL INVITATION, INFORMAL INVITATION	
June	TIGER KING, EDITORIAL LETTER, ARTICLE WRITING, DEEP WATER		
June - July	Unit I Examination		
July	DEEP WATER, JOURNEY TO THE END OF THE WORLD, KEEPING QUIET, RAT TRAP, A THING OF BEAUTY		
August	A THING OF BEAUTY, ENEMY, INDIGO		
September	Half Yearly Examination		
September	ON THE FACE OF IT, JOB APPLICATION, MEMORIES OF CHILDHOOD		
October	MEMORIES OF CHILDHOOD, INVITATION REPLIES, POETS AND PANCAKES		
November	POETS AND PANCAKES, INTERVIEW I AND II , A ROADSIDE STAND		ART INTEGRATED PROJECT
vember - Decem	Pre Board I Examination		
December	AUNT JENNIFER'S TIGERS, GOING PLACES		
January	Pre Board II Examination		

CLASS XII PHYSICS

Books: NCERT + SL ARORA

Month	Topics	Sub Topics	Practicals/ Activities
April	Electric charges and fields Electrostatic potential and capacitance.	<p>Electric charges Coulomb's law-force superposition principle</p> <p>Electric field, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field.</p> <p>Electric flux, 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 (Electric potential, 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.</p> <p>Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel.</p>	
May	Current electricity.	<p>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</p>	3. To verify the laws of combination (series) of resistances using a metre
June	Moving charges and magnetism. Magnetism and matter	<p>Biot - Savart law and its application to current carrying circular loop.</p> <p>Ampere's law and its applications to infinitely long straight wire. Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields.</p> <p>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.</p>	4. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit bridge
June - July	Unit I Examination		

July	Electromagnetic induction and Alternating Current.	<p>Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law, Self and mutual induction.</p> <p>Alternating Current</p> <p>Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only), resonance, power in AC circuits, power factor, wattless current. AC generator, Transformer.</p>	5. To find the value of v for different values of u in case of a convex lens and to find the focal length.
August	Ray optics	<p>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.</p> <p>Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers</p>	6 To find the focal length of a convex mirror, using a convex lens.
September	Half Yearly Examination		
September	Wave optics Dual Nature of Radiation	<p>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.</p> <p>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 Photoelectric effect Einstein's photoelectric equation- particle nature of light.</p> <p>Matter waves-wave nature of particles, de-Broglie relation</p>	<p>7. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.</p> <p>8. To draw the I-V characteristic curve for a p-n junction diode in forward and reverse bias.</p>
October	Atoms and nuclei	<p>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 nth orbit, hydrogen line spectra Composition and size of nucleus, nuclear force</p> <p>Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion</p>	<p>1. To measure the resistance and impedance of an inductor with or without iron core.</p> <p>2 To study the variation in potential drop with length of a wire for a steady current.</p> <p>3 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.</p>

November	Semiconductors	<p>Energy bands in conductors, semiconductors and insulators (qualitative ideas only) Intrinsic and extrinsic semiconductors- p and n type, p-n junction</p> <p>Semiconductor diode - I-V characteristics in forward and reverse bias, application of junction diode - diode as a rectifier</p>	<p>4. To identify a diode, an LED, a resistor and a capacitor from a mixed collection of such items.</p> <p>5. Use of multimeter to see the unidirectional flow of current in case of a diode and an LED and check whether a given electronic component (e.g., diode) is in working order.</p> <p>6. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab.</p>
December	Preboard 1		
January	Preboard 2 and Board practicals		
February	Board examination		

CLASS XII CHEMISTRY

BOOKS :- 1.Chemistry Part – I, Class-XII, Published by NCERT.2.Chemistry Part – II, Class-XII, Published by NCERT.3.Manual of

Month	Topics	Sub Topics	Practical / Viva
April	HALOALKANES AND HALOARENES	<p>Haloalkanes: Nomenclature, nature of C–X bond, physical and chemical properties, optical rotation mechanism of substitution reactions.</p> <p>Haloarenes: Nature of C–X bond, substitution reactions (Directive influence of halogen in monosubstituted compounds only).</p> <p>Uses and environmental effects of - dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.</p>	<p>Determination of concentration/ molarity of KMnO₄ solution by titrating it</p> <p>against a standard solution of:</p> <ol style="list-style-type: none"> Oxalic acid, Ferrous Ammonium Sulphate <p>(Students will be required to prepare standard solutions by weighing themselves).</p>
May	Alcohols, Phenols and Ethers	<p>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.</p> <p>Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols.</p> <p>Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses</p>	<p>Qualitative analysis</p> <p>Determination of one anion and one cation in a given salt</p> <p>Cations: +, +, +,</p> <p> +, ⁺Pb²⁺, ⁺Cu²⁺, ⁺Al³⁺, +</p> <p>⁺Fe³⁺ ⁺Mn²⁺ ⁺Ni²⁺ ⁺Zn²⁺, ⁺Co²⁺</p> <p>Ca²⁺ Sr²⁺ Ba²⁺ Mg²⁺ NH₄⁺</p>

June	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 vapor 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	
	Solutions, Haloalkanes Haloarenes and Alcohol Phenol Ethers	Revision of Numericals, Competency based questions based on Boards Curriculum	
June - July	Unit I Examination		
July	Electrochemistry	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.	<p>Determination of concentration/ molarity of KMnO_4 solution by titrating it against a standard solution of:</p> <ol style="list-style-type: none"> Oxalic acid, Ferrous Ammonium Sulphate (Students will be required to prepare standard solutions by weighing themselves). Anions: <p style="text-align: center;"> CO_3^{2-} S^{2-} SO_3^{2-} NO_3^- NO_2^- Cl^-, Br^-, I^- SO_4^{2-}, $\text{C}_2\text{O}_4^{2-}$ PO_4^{3-} CH_3COO^- </p>

August	1 Aldehydes, Ketones and Carboxylic Acids 2. Chemical Kinetics	<p>1. 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. Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses.</p> <p>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)</p>	
August	Equilibrium	Dynamic nature, laws of mass action, Equilibrium constant, K_c and K_p , factors affecting equilibrium, Le Chatlier's principle.	
September	Half Yearly Examination		
September	1. Amines 2. Coordination compounds	<p>Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines.</p>	<p>Tests for the functional groups present in organic compounds Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups.</p>

October	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,	
November	BIOMOLECULES	Carbohydrates - Classification (aldoses and ketoses), monosaccharides (glucose and fructose), D-L configuration oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen); Importance of carbohydrates	Determination of one anion and one cation in a given salt Cations: $+$, $+$, $+$, $+$, $+$, $+$, $+$ Fe^3 Mn^{2+} Ni^{2+} Zn^{2+} Co^{2+} Ca^{2+} Sr^{2+} Ba^{2+} Mg^{2+} NH_4^+
December	PREBOARD I		
December	1. Biomolecules 2. Sample questions from Boards previous years	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.	Anions: CO_3^{2-} S^{2-} SO_3^{2-} NO_3^- NO_2^- Cl^- Br^- I^- SO_4^{2-} , $C_2O_4^{2-}$ PO_4^{3-} $3 CH_3COO^-$
January	PREBOARD II		

CLASS XII MATHEMATICS

Books: 1. Mathematics by N.C.E.R.T. 2. Mathematics by R.S.Aggarwal 3. Mathematics Lab Manual by Rachna Sagar .

Month	Topics	Sub Topics	Practical / Viva
April	1. Linear Programming	Introduction, related terminology graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions	
	2. Matrices	Concept, notation, order, equality, types of matrices, transpose of a matrix, symmetric and skew symmetric matrices. Operations and properties on matrices. Non-commutativity of multiplication of matrices and existence of nonzero matrices whose product is the zero matrix. Invertible matrices and proof of the uniqueness of inverse, if it exists	
	3. Determinants	Determinant of a square matrix, minors, co-factors and applications of determinant 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 solving examples.	
May	4. Relations and functions	Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.	1.) To verify that the relation R in the set L of all lines in a plane, defined by $R = \{(l, m) : l \perp m\}$ is symmetric but neither reflexive nor transitive. 2.) To demonstrate a function which is one-one but not onto.
June	5. Inverse trigonometric functions	Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions	To draw the graph of \sin^{-1} , using the graph of $\sin x$ and demonstrate the concept of mirror reflection (about the line $y = x$)
	6. Probability	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem.	To explain the computation of the conditional probability of a given event A, when Event B has already occurred.
June - July	Unit I Examination		

July	7. Continuity and Differentiability	Continuity and differentiability, chain rule, derivative of composite functions, derivatives of inverse trigonometric functions, 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.	1.) To find analytically the limit of a function $f(x)$ at $x = c$ and also to check the continuity of the function at that point. 2.) To verify that for a function f to be continuous at given point x , $\Delta y = f(x + \Delta x) - f(x) $ is arbitrarily small provided. Δx is sufficiently small.
	8. Application 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).	1) To understand the concept of increasing and decreasing function. 2) To understand the concept of local maxima, local minima and point of inflection.
August	9. Integrals (Indefinite)	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.	
September	Half Yearly Examination		
September	9. Integrals (Definite)	Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals and evaluation of definite integrals.	
	10. Application of Integrals	Applications in finding the area under simple curves, especially lines, circles/ parabolas/ellipses	
October	11. 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.	

<p style="text-align: center;">October</p>	<p style="text-align: center;">12. Vector Algebra</p>	<p>Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of 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</p>	<p>To verify geometrically the distributive property over addition of vectors using parallelogram .</p>
<p style="text-align: center;">November</p>	<p style="text-align: center;">13. Three Dimensional Geometry</p>	<p>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.</p>	<p>To verify the distance between two points in a space using distance formula.</p>
<p style="text-align: center;">November - December</p>	Pre Board I Examination		
<p style="text-align: center;">January</p>	Pre Board II Examination		

CLASS XII COMPUTER SCIENCE

Books: COMPUTER SCIENCE WITH PYTHON BY SUMITA ARORA

Month	Topics	Sub Topics	Practical / Viva
April	Revision of Python, Function	<ul style="list-style-type: none"> 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) 	Revision of all programs done in class XI. programs using functions.
May	Introduction to Files (Text File)	<p>Introduction to files, types of files (Text file, Binary file, CSV file), relative and absolute paths</p> <ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Read a text file line by line and display each word separated by a # . Read a text file and display the number of vowels/consonants/uppercase/lowercase characters in the file. Remove all the lines that contain the character 'a' in a file and write it to another file etc.
June	Exception Handling	Exception Handling: Introduction, handling exceptions using try-except-finally blocks	programs using exception handling.
June - July	Unit I Examination		
July	Introduction to Files(Binary and CSV file), Database Management	<ul style="list-style-type: none"> 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. 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(). 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). 	<ul style="list-style-type: none"> Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message. Create a binary file with roll number, name and marks. Input a roll number and update the marks etc. Create a CSV file by entering user-id and password, read and search the password for given user id.
August	Database Management, Data Structure	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	<ul style="list-style-type: none"> Create a student table and insert data. Implement the following SQL commands on the student table: <ul style="list-style-type: none"> o ALTER table to add new attributes / modify data type / drop attribute o UPDATE table to modify data o ORDER By to display data in ascending / descending order o DELETE to remove tuple(s) o GROUP BY and find the min, max, sum, count and average Similar exercise may be framed for other cases. Write a Python program to implement a stack using list.
September	Half Yearly Examination		

September	Interface of Python with SQL	Interface of python with an SQL database: connecting SQL with Python, performing insert, update, delete queries using cursor, display data by using connect().	<ul style="list-style-type: none"> Integrate SQL with Python by importing suitable module.
October	Interface of Python with SQL	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	<ul style="list-style-type: none"> Integrate SQL with Python by importing suitable module.
November	Computer Network	<ul style="list-style-type: none"> 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 Introduction to web services: WWW, Hyper Text Markup Language (HTML), Extensible Markup Language (XML), domain names, URL, website, web browser, web servers, web hosting 	
November - December	Pre Board I Examination		
January	Pre Board II Examination		

CLASS XII BIOLOGY

Books: 1. Text book of Biology Class XII 2- Companion Biology 3-Comprehensive practical biology

Month	Topics	Sub Topics	Practical / Viva
April	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, Parthenocarpy, Polyembryony; Significance Of Seed Dispersal And Fruit Formation.	<ol style="list-style-type: none"> 1. Prepare a temporary mount to observe pollen germination 2. Flowers adapted to pollination by different agencies (wind, insects, birds). 3. Pollen germination on stigma through a permanent slide or scanning electron micrograph.
	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 (Elementary Idea); Parturition (Elementary Idea); Lactation (Elementary Idea).	
May	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 (Elementary Idea For General Awareness)	<ol style="list-style-type: none"> 4. Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). 5. T.S. of blastula through permanent slides (Mammalian). 6. Controlled pollination - emasculation, tagging and bagging.
	Principles of Inheritance and Variation	Heredity and variation: Mendelian inheritance, Monohybrid cross, Dihybrid cross.	
June	Principles of Inheritance and Variation	Deviations from Mendelism – incomplete dominance, co-dominance, multiple alleles and inheritance of blood groups, pleiotropy. Chromosome Theory Of Inheritance; Sex Determination - 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	<ol style="list-style-type: none"> 7. Mendelian inheritance using seeds of different colour/sizes of any plant.
			<ol style="list-style-type: none"> 8. Prepared pedigree charts of any one of the genetic traits such as rolling of tongue, blood groups, ear lobes, widow's peak and colour blindness.
June - July	Unit I Examination		

July	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.	9-Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc. 10. Flash cards models showing examples of homologous and analogous organs
	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.	
August	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.	11. Common disease causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images or specimens. Comment on symptoms of diseases that they cause.
September	Half Yearly Examination		
September	Microbes in Human Welfare	Microbes In Food Processing, Industrial Production, Sewage Treatment, Energy Generation And Microbes As Bio-Control Agents And Bio-Fertilizers. Antibiotics; Production And Judicious Use.	12. Prepare a temporary mount of onion root tip to study mitosis
	Biotechnology - Principles and Processes	Genetic Engineering (Recombinant DNA Technology).	
October	Biotechnology and its Applications	Application Of Biotechnology In Health And Agriculture: Human Insulin And Vaccine Production, Stem Cell Technology, Gene Therapy; Genetically Modified Organisms - Bt Crops; Transgenic Animals; Bio Safety Issues, Bio Piracy And Patents.	

October	Organisms and Populations	Population Interactions - Mutualism, Competition, Predation, Parasitism; Population Attributes - Growth, Birth Rate And Death Rate, Age Distribution. (Topics Excluded: Organism And Its Environment, Major Abiotic Factors, Responses To Abiotic Factors, Adaptations)	13. Models specimen showing symbiotic association in root nodules of leguminous plants, Cuscuta on host, lichens.
November	Ecosystem	Ecosystems: Patterns, Components; Productivity	
November	Biodiversity and its Conservation	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	14. Study the plant population frequency by quadrat method.
November - December	Pre Board I Examination		
January	Pre Board II Examination		

CLASS XII PSYCHOLOGY

Books: 1. NCERT Psychology Textbook for Class XII

Month	Topics	Sub Topics	Practical / Viva
April	Variations in Psychological Attributes	Individual differences in human functioning, Assessment, Intelligence, Psychometric Theories of Intelligence, Information Processing Theory: Planning, Attention-arousal and Simultaneous successive Model of Intelligence, Triarchic Theory of Intelligence; Theory of Multiple Intelligences.	
		Individual differences in intelligence, Culture & emotional intelligence, Special abilities, aptitude, nature & measurement, Creativity	Test 1:- On Personality
	Self & Personality	Self & personality, concept of self, cognitive & behavioural aspect of self	
Culture & self, concept of personality			
May			

May	Self & Personality	Major Approaches to the Study of Personality; Type Approaches ; Trait Approaches ;Psychodynamic Approach and Post Freudian Approaches ; Behavioural Approach ;Cultural Approach ; Humanistic Approach	Project Work- Case Study on psychological disorders (Initial process)
June		Assessment of Personality ; Self-report Measures ; Projective Techniques ; Behavioural Analysis	
June - July	Unit I Examination		
July	Meeting Life challenges	Nature, Type & sources of stress, effects of stress og psychological functioning and health, General adaptation syndrome, Stress & immune system & lifetsyle	
		Coping with stress,Techniques, Life skills & positive health	
July	Psychological Disorders	Concept of abnormality & historical background, Factors of abnormal behaviour, classifications, Major Psychological Disorders- Anxiety Disorders, Obsessive-Compulsive and Related Disorders, Trauma-and Stressor-Related Disorders , Somatic Symptom and Related Disorders, Dissociative Disorders, Depressive Disorder, Bipolar and Related Disorders	Project Work- Case Study on psychological disorders (Summarising the disorders) Along with visit to a mental health institute

August	Psychological Disorders	Schizophrenia Spectrum and Other Psychotic Disorders • Neurodevelopmental Disorders • Disruptive, Impulse-Control and Conduct Disorders • Feeding and Eating Disorders • Substance Related and Addictive Disorders	Test 2:- On Anxiety
	Therapeutic Approaches	Nature and Process of psychotherapy, Therapeutic relationship, Types of Therapies- Behaviour, Cognitive, Humanistic- Existential Therapy	Test 3:- On levels of Intelligence
		Alternative Therapies, Factors contributing to healing in Psychotherapy, Ethics in Psychotherapy Rehabilitation of the Mentally Ill	
September	Half Yearly Examination		
September	Attitude and Social Cognition	Explaining Social Behaviour, Nature and Components of Attitudes	Test 4:- On Depression
October		Attitude Formation and Change, Attitude Formation, Attitude Change, Attitude- Behaviour Relationship & Prejudice and Discrimination, Strategies for Handling Prejudice	
November	Social Influence and Group Processes	Introduction & Nature and Formation of Groups	Test 5:- On Adjustment
		Type of Groups, Influence of Group on Individual Behaviour, Social Loafing, Group Polarisation	
November - December	Pre Board I Examination		
January	Pre Board II Examination		

CLASS XII- HOME SCIENCE

BOOK: NCERT, PART 1 & 2

MONTH	TOPIC	SUB TOPIC	PRACTICAL
APRIL	CH 1: WORK LIVELIHOOD & CAREER	Traditional occupations of india	
	CH 2: CLINICAL NUTRITION & DIETETICS	Introduction, significance Food supplements	Practical 1: Modification Of a Diet for Elderly
MAY	Ch 2: CLINICAL NUTRITION & DIETETICS	Feeding Routes, Diet therapy	----
	CH: 3 PUBLIC HEALTH & NUTRITION	Introduction, deficiency disorders	
JUNE	CH:3 PUBLIC HEALTH & NUTRITION	Strategies to tackle malnutrition	Cooking a portion of elderly diet
		Food Security Programmes	
JUNE - JULY	UNIT 1 EXAMINATION		
JULY	CH: 5 FOOD PROCESSING & TECHNOLOGY	Introduction, Development, Classification, food preservation	Practical 2: Food Preservation
	CH:6 FOOD QUALITY & SAFETY	Introduction, food standards, food safety management systems International food standards	Practical 3: Food Adulteration
AUGUST	CH 7: EARLY CHILDHOOD CARE AND EDUCATION	Basic concepts, key features of ECCE Preparation for career	Practical 4: Preparation any teaching aid
	CH 10: MANAGEMENT OF SUPPORT SYSTEMS	Significance Institutes & Programmes for child, youth & elderly	
SEPTEMBER	HALF YERALY EXAMINATION		
SEPTEMBER	CH 11: DESIGN FOR FABRIC & APPAREL	Intrduction, Colour theory & schemes elements & principles of design	Practical 5: Preparation any one article using applied design
	CH 12 : FASHION DESIGNING & MERCHANDISING	Basic concepts, fashion terminilogy fashion retail organisation	
OCTOBER	CH 17 : HOSPITALITY MANAGEMENT	Introduction Differnet Management & its func.	Practical 6: Stain removal Practical 7: leaflet for consumer problems
	CH 20 : CONSUMER EDUCATION & PROTECTION	Introduction, consumer problems consumer rights and duties	
NOVEMBER	CH 21: DEVELOPMENT COMMUNICATION & JOURNALISM	Introduction, methods of communication	
NOV - DEC	PRE BOARD 1 EXAMINATION		
DECEMBER	REVISION & PROJECT		
JANUARY	PRE BOARD 2 EXAMINATION		

CLASS XII LEGAL STUDIES

Books: NCERT

Month	Topics	Sub Topics	Practical / Viva
April	Judiciary	a) Structure, Hierarchy of Courts, and Legal Officers in India b) Constitution, Roles and Impartiality	
May	Alternative Dispute	b) Meaning and scope of ADR	
June	Law of Contract	a) Introduction to Contracts b) Formation of Contract c) Intention to Contract d) Consideration	
June - July	unit1 Examination		
July	Law of Property	a) Concept of law of Torts b) Sources of Law of Torts c) Intentional Tort d) Defamation e) Negligence	
August	Forms of Legal Entities Criminal Laws in India	Types of Legal Entities in India a) Sole Proprietorship b) Partnership c) Limited Liability Partnership d) Private Limited company e) Public Limited Company f) One Person Company a) Objectives of Criminal law b) Legislations for Criminal laws in India c) Distinction between Intention and Motive d) Stages of crime e) The Indian Evidence Act f) Admission and Confession	
September	Half Yearly Examination		

<p style="text-align: center;">September</p>	<p style="text-align: center;">Human Rights in India Human Rights Violations Complaint Mechanism (QuasiJudicial bodies)</p>	<p>1. Historical Context b) Indian Constitutional framework on Human Rights and related Laws in India 1. The Preamble 2. Fundamental Rights-Part III of the Constitution 3. Directive Principles-Part IV- Articles 36-51 4. Fundamental Duties- Part IV(A)- Article 51 A, a) What are Quasi-Judicial Bodies? b) Various Human Rights Commissions 1. National Human Rights Commission (NHRC) 2. National Commission for Minorities 3. National Commission for Women (NCW) a) National Commission for Scheduled Castes and Scheduled Tribes b) National Commission for Protection of Child's Rights (NCPCR)a) What are Quasi-Judicial Bodies? b) Various Human Rights Commissions 1. National Human Rights</p>	<p style="text-align: center;">PRACTICAL INCLUDES PROJECT + VIVA VOCE (Any 3 Case Civil, Criminal and Constitutional case Studies)</p>
<p style="text-align: center;">October</p>	<p style="text-align: center;">Legal Profession in India</p>	<p>a) The Advocate Act,1961 b) Lawyers and Professional Ethics c) Advertising by Lawyers d) Liberalization and Globalization of legal profession e) Women and Legal Profession f) Legal Education in India, USA and UK g) Opportunities for Law Graduates</p>	

November	Legal Services, International Law	a) Brief history of Legal services b) Free Legal Aid under Criminal law c) Legal aid by the State d) Legal Aid under the Indian Constitution e) National Legal Services Authority(NALSA) f) Legal Services Authority Act,1987 g) Legal Aid in context of social justice and Human Rights, a) Introduction b) Historical Evolution of International Law c) What is International Law? 10 d) Sources of International Law e) International Human Rights f) International Law & Municipal Law g) International Law & India h) Dispute Resolution	
December	preboard1		
December	Revision	Full Syllabus to be Revised	PRACTICAL INCLUDES PROJECT + VIVA VOCE (Any 3 Case Civil, Criminal and Constitutional case)
November - December	Pre Board I Examination		
January	Pre Board II Examination		

CLASS XII ACCOUNTANCY (055)

Books: Accountancy - I & II for Class XII - NCERT ; APC Books - Accountancy - Part A - Vol. I & II, Part B - D K Goel

Month	Topics	Sub Topics	Practical / Viva
April	Accounting for Partnership	Partnership: features, Partnership Deed. • Provisions of the Indian Partnership Act 1932 in the absence of partnership deed. • Fixed v/s fluctuating capital accounts. Preparation of Profit and Loss Appropriation account- division of profit among partners, guarantee of profits. • Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio).	
May	Ratio Analysis	Accounting Ratios: Meaning, Objectives, Advantages, classification and	Practical + Viva on Accounting Ratios
June	Financial statements of a Company Tools for Financial Statement Analysis	Meaning, Nature, Uses and importance of financial Statement. Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013) Comparative statements, common size statements,	
June - July	Unit I Examination		
July	Admission of a partner & Retirement of a partner	effect of admission of a partner on change in the profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and re- assessment of liabilities, treatment of reserves, accumulated profits and losses, adjustment of capital accounts and preparation of capital, current account and balance sheet. effect of retirement / death of a partner on change in profit sharing ratio, treatment of goodwill (as per AS 26), treatment for revaluation of assets and reassessment of liabilities, adjustment of accumulated profits, losses and reserves, adjustment of capital accounts and preparation of capital, current account and balance sheet. Preparation of loan account of the retiring partner.	

August	Death of a partner & Dissolution of a partnership firm:	Calculation of deceased partner's share of profit till the date of death. Preparation of deceased partner's capital account and his executor's account. meaning of dissolution of partnership and partnership firm, types of dissolution of a firm. Settlement of accounts - preparation of realization account, and other related accounts: capital accounts of partners and cash/bank a/c (excluding piecemeal distribution, sale to a company and insolvency of partner(s)).	Practical + Viva on Cash Flow Statement
September	Half Yearly Examination		
September	Accounting for Share Capital	Features and types of companies. • Share and share capital: nature and types. Accounting for share capital: issue and allotment of equity and preferences shares. Public subscription of shares - over subscription and under subscription of shares; issue at par and at premium, calls in advance and arrears (excluding interest), issue of shares for consideration other than cash. • Concept of Private Placement and Employee Stock Option Plan (ESOP), Sweat Equity. • Accounting treatment of forfeiture and reissue of shares. • Disclosure of share capital in the Balance Sheet of a company.	
October	Accounting for Debentures	Debentures: Meaning, types, Issue of debentures at par, at a premium and at a discount. Issue of debentures for consideration other than cash; Issue of debentures with terms of redemption; debentures as collateral security-concept, interest on debentures (concept of TDS is excluded). Writing off discount / loss on issue of debentures.	
November	Cash Flow Statement	Meaning, objectives Benefits, Cash and Cash Equivalents, Classification of Activities and preparation (as per AS 3 (Revised) (Indirect Method only)	
November - December	Pre Board I Examination		
January	Pre Board II Examination		

CLASS XII BUSINESS STUDIES

Books: 1. NCERT PRINCIPLES AND FUNCTIONS OF MANAGEMENT PART 1 2. NCERT BUSINESS FINANCE AND MARKETING PART 2

Month	Topics	Sub Topics	Practical / Viva
April	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	
	Principles of Management	Principles of Management - concept and significance Fayol's principles of management Taylor's Scientific management - principles and technique.	
May	Business Environment	Business Environment- concept and importance Dimensions of Business Environment - Economic, Social, Technological, Political and Legal Demonetization - concept and features	
June	Planning	Planning: Concept, importance and limitation Planning process Single use and Standing Plans. Objectives, Strategy, Policy, Procedure, Method, Rule, Budget and Programme	
	Organising	Organising: Concept and importance Organising Process Structure of organisation- functional and divisional concept.	
June - July	Unit I Examination		
July	Organising	Formal and informal organization - concept Delegation: concept, elements and importance Decentralization: concept and importance	
July	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	

August	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?	
August	Controlling	Controlling - Concept and importance Relationship between planning and controlling Steps in process of control	PROJECT + VIVA VOCE (Marketing)
September	Half Yearly Examination		
September	Financial Management	Financial Management: Concept, role and objectives Financial decisions: investment, financing and dividend - Meaning and factors affecting Financial Planning - concept and importance	
October	Financial Management	Capital Structure – concept and factors affecting capital structure Fixed and Working Capital - Concept and factors affecting their requirements	
November	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	
	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	

<p style="text-align: center;">December</p>	<p style="text-align: center;">Consumer Protection</p>	<p>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)</p>	<p style="text-align: center;">PROJECT + VIVA VOCE (Marketing)</p>
<p>November - December</p>	<p style="text-align: center;">Pre Board I Examination</p>		
<p>January</p>	<p style="text-align: center;">Pre Board II Examination</p>		

CLASS XII ECONOMICS(030)			
Books: 1. Macro Economics sandeep Garg/ Radha Bahugana 2. Indian Economic Development(NCERT) 3.			
Month	Topics	Sub Topics	Practical / Viva
April	Part A: Introductory Macro Economics. Part B: Indian Economic Development Unit 6: Development Experience (1947-90) and Economic Reforms since 1991	What is Macroeconomics? Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate Goods; stocks and flows; gross investment and depreciation. Circular flow of income (two sector model). A brief introduction of the state of Indian economy on the eve of independence. Indian economic system and common goals of Five Year Plans.	Micro and Small Scale Industries OR
		Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role & importance) and foreign trade	Goods and Services Tax Act and its Impact on GDP OR
		Features and appraisals of liberalisation, globalisation and privatisation (LPG policy); Concepts of demonetization and GST	Monetary Policy Committee and its functions OR
May	Part A: Introductory Macroeconomics Unit 1: National Income and Related Aggregates	Methods of calculating National Income - Value-added or Product Method, Expenditure method, Income method. GDP and Welfare Aggregates related to National Income:	Digital India- Step towards the future OR
June	Part A: Introductory Macroeconomics Unit 1: National Income and Related Aggregates, measurement of NI	Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP) - at market price, at factor cost; Real and Nominal GDP. GDP Deflator GDP and Welfare	Make in India – The way ahead OR
June - July	Unit I Examination		
July	Unit 2: Money and Banking:	Money meaning and functions, supply of money - Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt. Bank, Banker's Bank, Control of Credit through Bank Rate, CRR, SLR, Repo Rate and Reverse Repo Rate, Open Market Operations, Margin Requirement.	New Education Policy (NEP) 2020: A Promise for a New Education System OR
		Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India	Amrit Kaal: Empowered and Inclusive Economy OR
August	Unit 7: Current challenges facing Indian Economy	Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming	Currency War – reasons and repercussions OR
	Unit 7: Current challenges facing Indian Economy	Employment: Growth and changes in work force participation rate in formal and informal sectors; problems and policies	Organic Farming – Back to the Nature OR
	Unit 7: Current challenges facing Indian Economy	Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming	G-20: Inclusive and Action Oriented OR
September	Half Yearly Examination		

September	Unit 3: Determination of Income and Employment	Aggregate demand and its components. Propensity to consume and propensity to save (average and marginal). Short-run equilibrium output; investment multiplier and its mechanism. Meaning of full employment and involuntary unemployment. Project Work in Economics	e-Rupee (e- ₹) OR
October	Unit 3: Determination of Income and Employment (cont)	Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply	Cashless Economy OR
	Unit 4: Government Budget and the Economy	Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; Classification of expenditure – revenue expenditure and capital expenditure. Balanced, Surplus and Deficit Budget – Measures of government deficit.	Any other topic
November	Unit 5: Balance of Payment	Balance of payments Account - meaning and components; Balance of payments – Surplus and Deficit Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate. Managed Floating exchange rate system.	
	Unit 8: Development Experience of India: A comparison with neighbours	India, Pakistan, and China Issues: economic growth, population, sectorial development and other Human Development Indicators Revision work	
Nov - Dec	Pre Board I Examination		
January	Pre Board II Examination		

CLASS XII ENTREPRENEURSHIP

Books: Entrepreneurship class XII (NCERT)

Month	Topics	Sub Topics	Practical / Viva
April	Entrepreneurial Opportunity	<ul style="list-style-type: none"> • Sensing Entrepreneurial Opportunities • Environment Scanning • Problem Identification • Idea fields • Spotting Trends • Creativity and Innovation • Selecting the Right Opportunity 	
	Entrepreneurial Planning	•Forms of business organization- Sole proprietorship, Partnership, Company	Discussion on Project 1:MARKET SURVEY
May	Entrepreneurial Planning	<ul style="list-style-type: none"> • Business Plan: concept, format. • Components: Organisational plan; Operational plan; Production plan; Financial plan; Marketing plan; Human Resource plan 	
	Enterprise Marketing	Marketing and Sales Strategy	
June	Enterprise Marketing	<ul style="list-style-type: none"> • Branding, Logo, Tagline • Promotion Strategy 	
June - July	Unit I Examination		
July	Enterprise Growth Strategies	<ul style="list-style-type: none"> • Franchising: Concept and types • Franchising: Advantages and limitations to franchisor and franchisee. 	
August	Business Arithmetic	<ul style="list-style-type: none"> • Unit of Sale, Unit Cost for multiple products or services • Break even Analysis for multiple products or services + Syllabus of UNIT I 	PROJECT + VIVA VOCE (Market Survey & Numerical Assessment)
September	Half Yearly Examination		
September	Business Arithmetic	<ul style="list-style-type: none"> • Computation of Working Capital • Inventory Control and EOQ • Return on Investment (ROI) and Return on Equity (ROE) 	Discussion on Project 2:BUSINESS PLAN
October	Resource Mobilization	• Capital Market: Concept	
November	Resource Mobilization	<ul style="list-style-type: none"> • Primary market: Concept, methods of issue • Angel Investor: Features • Venture Capital: Features, funding. 	PRACTICAL INCLUDES PROJECT + VIVA VOCE (Business Plan and Market Survey & Numerical Assessment)
November - December	Pre Board I Examination		
January	Pre Board II Examination		

CLASS XII HISTORY

1.Books I : Indian History Part I , 2. Book II: Indian History Part II, 3.Book III: Indian History Part III

Month	Topics	Sub Topics	Practical / Viva
April	BRICKS BEADS BONES	SUBSISTENCE STRATEGIES, MOHENJADARO, A PLANNED URBAN CENTRE, TRACKING SOCIAL DIFFERENCES, FINDING OUT ABOUT CRAFT PRODUCTION ,STRATEGIES FOR PROCURING MATERIALS, SEALS, SCRIPT ,WEIGHTS, ANCIENT AUTHORITY AND END OF CIVILISATION ,DISCOVERING THE HARAPPAN CIVILISATION,PROBLEMS OF PIECING TOGETHER THE PAST	MAP POINTING: Mature Harappan sites: Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, Kot Diji.
	KINGS, FARMERS AND TOWNS	PRINSEP AND PIYADASSI,THE EARLIEST STATES, AN EARLY EMPIRE, NEW NOTIONS OF KINSHIP,A CHANGING COUNTRYSIDE, TOWNS AND TRADE,BACK TO BASICS,THE LIMITATIONS OF INSCRIPTIONAL EVIDENCE	MAP POINTING: Mahajanapada and cities: Vajji, Magadha, Kosala, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxila, Varanasi.
	KINSHIP ,CLASS AND CASTE	CRITICAL EDITION OF MAHABHARATA, KINSHIP AND MARRIAGE: MANY RULES AND VARIED PRACTICES, SOCIAL DIFFERENCES WITHIN AND BEYOND THE FRAMEWORK OF CASTE, BEYOND BIRTH: RESOURCES AND STATUS, EXPLAINING SOCIAL DIFFERENCES, HANDLING TEXTS : HISTORIANS AND MAHABHARATA, DYNAMIC TEXT	MAP POINTING: Distribution of Ashokan inscriptions:Pillar inscriptions – Sanchi, Topra, Meerut Pillar and Kaushambi.
May	THINKERS ,BELIEFS AND BUILDINGS	GLIMPSE OF SANCHI, SACRIFICES AND DEBATES,THE MESSAGE OF MAHAVIRA, BUDDHA AND AND THE QUEST FOR ENLIGHTENMENT, : THE TEACHINGS OF BUDDHA, FOLLOWERS OF BUDDHA,STUPAS, SCULPTURE, NEW RELIGIOUS TRADITIONS	MAP POINTING: Kingdom of Cholas, Cheras and Pandyas.
June	THROUGH THE EYES OF THE TRAVELLERS	AL –BIRUNI AND KITAB –UL- HIND,IBN BATUTA’S RIHALA, FRANCOIS BERNIER : A DOCTOR WITH A DIFFERENCE, MAKING SENSE OF AN ALIEN WORLD: AL BIRUNI AND THE SANSKRITIC TRADITION, IBN BATUTA AND THE EXCITEMENT OF THE UNFAMILIAR, BERNIER AND THE “ DEGENERATE” EAST, WOMEN SLAVES, SATI AND LABOURERS.	MAP POINTING: Important kingdoms and towns: Kushanas, Shakas, Satavahanas, Vakatakas,Guptas,Cities/t owns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi,Vidisha

June - July		Unit I Examination	
July	BHAKTI – SUFI TRADITIONS	MOSAIC OF RELIGIOUS BELIEFS AND PRACTICES, POEMS OF PRAYER : EARLY TRADITIONS OF BHAKTI , RELIGIOUS FERMENT IN NORTH INDIA, NEW STRANDS IN THE FABRIC ISLAMIC TRADITIONS, THE GROWTH OF SUFISM, THE CHISTIS IN THE SUBCONTINENT, NEW DEVOTIONAL PATHS : DIALOUGE AND DISSENT IN NORTHERN INDIA	MAP POINTING: Major Buddhist Sites: Nagarjunakonda, Sanchi, Amaravati, Lumbini, Bharhut, Bodh Gaya, Ajanta
	IMPERIAL CAPITAL : VIJAYNAGARA	DISCOVERY OF HAMPPI , RAYAS , NAYAKAS AND SULTANS, VIJAYNAGARA : THE CAPITAL AND ITS ENVIRONS, THE ROYAL CENTRE, THE SACRED CENTRE, PLOTTING PALACES , TEMPLES AND BAZAARS	MAP POINTING: Bidar, Golconda, Bijapur, Vijayanagar, Chandragiri, Kanchipuram, Mysore, Thanjavur, Kolar, Tirunelveli
	PEASANTS ,ZAMINDARS AND THE STATE	PEASANTS AND AGRICULTURAL PRODUCTION, THE VILLAGE COMMUNITY, WOMEN IN AGRARIAN SOCIETY, FORESTS AND TRIBES, THE ZAMINDARS, LAND REVENUE SYSTEM, THE AIN –I – AKBARI	MAP POINTING: Territories under Babur, Akbar and Aurangzeb: Delhi, Agra, Panipat, Amber, Ajmer, Lahore, Goa
August	COLONIALISM AND THE COUNTRYSIDE	BENGAL AND ZAMINDARS, THE HOE AND THE PLOUGH, A REVOLT IN THE COUNTRYSIDE: THE BOMBAY DECCAN, THE DECCAN RIOTS COMMISSION	MAP POINTING: Territories/cities under British Control in 1857: Punjab, Sindh, Bombay, Madras Berar, Bengal, Bihar, Orissa, Surat, Calcutta, Patna, Allahabad
September		Half Yearly Examination	
September	REBELS AND THE RAJ	PATTERN OF THE REBELLION, AWADH IN REVOLT, WHAT THE REBELS WANTED, REPRESSION, IMAGES OF REVOLT,	Main centres of the Revolt of 1857: Delhi, Meerut, Jhansi, Lucknow, Kanpur, Azamgarh, Calcutta, Benaras, Gwalior, Jabalpur, Agra, Awadh
October	MAHATMA GANDHI AND NATIONALIST MOVEMENT	LEADER ANNOUNCES HIMSELF, MAKING AND UNMAKING OF NON COOPERATION, SALT SATYAGRAHA, QUIT INDIA MOVEMENT, LAST HEROIC DAYS, KNOWING GANDHI	Important centres of the National Movement: Champaran, Kheda, Ahmedabad, Benaras, Amritsar, Chauri Chaura, Lahore, Bardoli, Dandi, Bombay (Quit India Resolution), Karachi
November	FRAMING THE CONSTITUTION	TUMUOLTUOS TIME, VISION OF THE CONSTITUTION, DEFINING RIGHTS, THE POWERS OF THE STATE, LANGUAGE OF THE NATION,	BOARD PROJECT ON HARAPPA, TRAVELLERS, VIJAYNAGARA AND REVOLT OF 1857
November - December		Pre Board I Examination	
January		Pre Board II Examination	

CLASS XII GEOGRAPHY

Books: Fundamentals of Human Geography (Bk 1) , India: People and Economy (Bk2)

Month	Topics	Sub Topics	Practical / Viva
April	Chapter 1-Human Geography: - Nature and Scope (Bk1) Chapter 2-The World Population-Distribution, Density and Growth (Bk1)	i)Introduction to Human Geography ii)Approaches to study Human Geography Regional and Systematic graphy, Dualism iii)Nature of Human Geography iv)Naturalization of Humans and humanization of Nature v)Schools of thought in Human Geography vi)Fields and subfields of Human Geography	Chapter 1 Data –Its Source and Compilation What is Data, Sources of data: Primary, Secondary and Unpublished sources. • Tabulation and Classification of Data • Grouping of Data • Frequency Polygon
May	Chapter 1- Population: Distribution, Density and Growth and Composition (Bk2)	i)Population-distribution and density ii)Factors influencing the distribution of population iii)Population Growth iv)Components of Population change v)Demographic Transition vi)Population Control Measures Map work: A State with highest population density & state with lowest population density (2011)	Chapter 2 Data Processing • Tabulating and processing of data • Measures of Central Tendency: Mean, Median and Mode • Comparison of Mean, Median and Mode
June	Chapter 2- Human Settlements (Bk2)	i)Rural settlements - types and distribution ii)Urban settlements types, iii)Evolution of Towns in India iv)Urbanization in India v)Functional Classification of Towns vi)Smart Cities Mission	
June - July	Pre Mid Examination		

<p>July</p>	<p>Chapter 3 - Human Development (Bk1) Chapter 4 - Primary Activities (Bk1) 1 Chapter 5 - Mineral and Energy Resources (Bk2) Chapter 5- Secondary Activities Bk1</p>	<p>i) Human development - concept; selected indicators ii) Growth and Development iii) The four pillars of Human Development iv) Approaches to Human Development v) Measuring Human Development- HDI, HPI and GNH VI) International comparisons</p> <p>i) Hunting and Gathering, Pastoralism, Nomadic Herding, Commercial Livestock Rearing ii) Types of agriculture: Primitive Subsistence Intensive Subsistence iii) Commercial Agriculture Plantation Agriculture iv) Extensive Commercial Grain Cultivation v) Mixed Farming Map work: 1) area of subsistence gathering (fig 4.2). 2) Major areas of nomadic herding of the world (fig 4.4) 3) Major areas of commercial livestock rearing. (fig 4.6) 4) Major areas of extensive commercial grain farming. (fig</p>	<p>Chapter 3 Graphical Representation of Data</p> <ul style="list-style-type: none"> Representation of data- General rules for drawing diagrams, graphs and maps <p>construction of line graphs, polygraphs, simple bar diagrams, line and bar diagram,</p>
	<p>i) Mineral Resources: Introduction and Types ☒ Major mineral belts of India ☒ Distribution of Ferrous Minerals (Iron ore and Manganese), Non-Ferrous Minerals (Bauxite and Copper); Non-metallic minerals (Mica) ☒ Energy Resources: Conventional sources (Coal, Petroleum and Natural gas) and non conventional sources (Nuclear, Solar) Manufacturing: Characteristics of Modern Large-Scale Manufacturing</p> <ul style="list-style-type: none"> Factors influencing industrial Location Classification of manufacturing Industries: On the basis of Size, Inputs /raw material, Output /Products and Ownership Concept of High-tech Industry 		

<p style="text-align: center;">August</p>	<p style="text-align: center;">Chapter 3 -Land Resources and Agriculture (Bk2) Chapter 4- Water Resources (Bk2) Chapter 6 - Planning and Sustainable Development in Indian Context.(Bk2)</p>	<p>i)Land resources-general land use ii)Land use categories iii)Land-use Changes in India iv)Common Property Resources v)Agricultural Land Use in India vi)Cropping Seasons in India vii)Types of Farming viii)Geographical conditions and distribution of major crops (Wheat, Rice, Tea, Coffee, Cotton, Jute, Sugarcane and Rubber); ix)Agricultural development in India x)Growth of Agricultural Output and Technology xi)Problems of Indian Agriculture</p> <p>Map work:Leading producing states of the following crops:</p> <p>(a) Rice (b) Wheat (c) Cotton (d) Jute (e) Sugarcane (f) Tea and (g) Coffee</p> <p>i)Water resources- Surface water and Groundwater Resources ii)Lagoons and Backwaters iii)Water Demand and Utilisation - irrigation, domestic, industrial and other uses iv)Emerging Water Problems:</p>	<p>Multiple bar, Compound bar, Pie diagram, Flowchart ● Thematic maps; Construction of Dot Map; Choropleth Map and Isopleth map</p>
<p>September</p>	<p>Mid Term Examination</p>		

Prevention of Water Pollution; Rain water harvesting and Watershed management Resources
Planning- Introduction

- Target Area Planning: Hill Area Development Programme, Drought Prone Area Programme.
- Concept of Sustainable Development
- Case Studies –

1. Integrated Tribal Development Project in Bharmaur* Region,
② Indira Gandhi Canal (Nahar)

<p>September</p>	<p>Chapter- 7 Transport and Communication (Bk2)Chapter- 8 International Trade(Bk2)</p>	<p>Means of transport: Land (Road transport, Rail transport and Oil and Gas pipelines), Water transport (Inland waterways and Oceanic routes) and Air transport</p> <ul style="list-style-type: none"> ● Communication Networks- Personal and Mass Communication <p>Changing Pattern of the Composition of India's Exports and Import</p> <ul style="list-style-type: none"> ☒ Direction of Trade ☒ Sea Ports as Gateways of International Trade ☒ Major Seaports of India along with their hinterlands. ☒ Airports <p>Map work:Terminal stations of transcontinental railways-Trans Siberian, trans Canadian, trans Australian railways.</p>	<p>Chapter 4- Spatial Information Technology</p> <ul style="list-style-type: none"> ● Introduction to GIS; Advantages of GIS, Components of GIS, Spatial data formats, Sequence of GIS activities; Spatial data input, Entering attribute data, Data Linkages and matching, Spatial analysis: Overlay Analysis Operation and Buffer Operation
<p>October</p>	<p>Chapter 6-Tertiary and Quaternary Activities. (Bk1) Chapter 7- Transport Communication (Bk1)</p>	<ul style="list-style-type: none"> ●Tertiary activities-concept and types ● Trade and commerce: Retail and Wholesale trading <p>Transport, Factors Affecting Transport;</p> <ul style="list-style-type: none"> ● Communication ● Services ● People engaged in tertiary activities ● Tourism, Major tourist regions ● Tourist attractions - some examples from selected countries ● Medical Services for Overseas Patients in India ● Quaternary and Quinary activities-concept ● The Digital Divide <p>Modes of Transportation:</p> <ul style="list-style-type: none"> ● Land transport: Roadways, Highways, Road Density, Border Roads. ● Railways: Trans-continental Railways: Trans-Siberian, Trans Canadian, Australian Trans Continental, ● Water Transport: Important Sea Routes, Shipping Canals, Inland waterways ● Air transport: Inter-Continental air routes ● Pipelines ● Communications: Satellite Communications and Cyber Space- <p>InternetMajor sea port: -</p> <ul style="list-style-type: none"> ☒ Europe: north cape, London, Hamburg. 	

<p>November</p>	<p>Chapter 8-International Trade (Bk1)</p> <p>Chapter 9 - Geographical Perspective on Selected Issues and Problems (Bk2)</p>	<p>History of International trade</p> <ul style="list-style-type: none"> ● Why Does International Trade Exist? ● Basis of International Trade Balance of Trade ● Types of International Trade: Bilateral and Multi-lateral trade ● Case for Free Trade ● Concept of Dumping ● World Trade Organisation ● Regional Trade Blocs ● Concerns Related to International Trade ● Gateways of International trade: Ports ● Types of Port Environmental pollution-Introduction and types ● Urban-waste disposal ● Rural-Urban Migration: Case Study ● Problems of Slums ● Land degradation: Case study 	
<p>November - Decem</p>	<p>Pre Board I Examination</p>		
<p>January</p>	<p>Pre Board II Examination</p>		

CLASS XII POLITICAL SCIENCE

Book 1: Politics in India since Independence

Book 2: Contemporary World Politics

Month	Topics (Chapter)	Sub Topics	Practical / Viva
April	1. Challenges of nation-building	1. Challenge of Integration of India	1. NAM-1961 to present times. OR 2. Division of Germany with special focus on the construction and dismantling of the Berlin Wall. OR 3. CIS-Central Asian Republics OR 4. Disintegration of USSR with special focus on Gorbachev. OR
		2. Challenge of establishing democracy	
		3. Development	
		4. Integration of princely states	
	2. Era of one-party dominance	1. Reasons behind Congress dominance	
2. One party system in India and Mexico.			
May	3. Development	1. NITI aayog	
		2. Planning Commission of India	
		3. Comparison	
	4. End of Bipolarity	1. Bipolar world	
		2. Soviet system	
June	5. India's foreign policy	3. Reasons behind disintegration	
		1. Non alignment movement	
		3. Peace and Conflict with China	
	6. New centres of power	4. India's nuclear policy	
		1. European Union	
June - July	UNIT I examination		
July	6. New centres of power	2. China	6. Cover the negative as well as positive aspects of relationship between India and the following countries. Focus on any one of the following (current updates should be highlighted): a) Relationship between India and Russia b) Relationship between India and China
		3. SAARC	
		4. ASEAN	
		5. South Korea	
		6. Japan	
		7. India	
	7. Contemporary South Asia	1. Bangladesh	
8. Crisis of democratic order	2. Nepal		
	3. Pakistan		
	4. Sri Lanka		
August	9. Regional Aspirations	1. Indira Gandhi	
		2. Emergency	
		3. Criticism	
	9. Regional Aspirations	1. Punjab	
		2. Assam	
9. Regional Aspirations	3. Nagaland		
	4. Andhra Pradesh		
September	HALF-YEARLY EXAMINATION		

September	10. International Organisation	1. 6 organs	7. ASEAN OR
			8. European Union and BREXIT OR
			9. BRICS OR
			10. SAARC OR
			11. India's Nuclear Policy OR
	12. United Nations with focus on India's candidature in Security Council. OR		
	13. UN Agencies - UNICEF, UNESCO, WHO OR		
	14. Pandemics: Covid 19- Its global impact (focus on worldwide		
	2. United Nations Security council	8. European Union and BREXIT OR	
	3. India's permanent membership	9. BRICS OR	
4. Reforms	10. SAARC OR		
11. Security	1. Traditional and modern security	11. India's Nuclear Policy OR	
	2. Internal and external security	12. United Nations with focus on India's candidature in Security Council. OR	
	3. New threats to security	13. UN Agencies - UNICEF, UNESCO, WHO OR	

October	12. Environment and Natural Resources	1. Geo Politics	14. Pandemics: Covid 19- Its global impact (focus on worldwide cooperation and preparedness along with controversies (please collect newspaper clippings for the same)
		2. Global Commons	15. Partition of India-Theory behind it and its legacy OR
		3. Protection of Environment	16. Comparison between NITI AAYOG and Planning Commission and their contribution in India's Development.OR
	13. Globalisation	1. Causes of globalization	17. Election 2019- Rise of BJP and Downfall of Congress (1989-2019).OR
		2. Positive consequences	18. Imposition of Emergency in India OR
		3. Negative consequences	19. NDA III and NDA IV - Social and Economic welfare programmes.
November	14. Recent Developments in world politics	1. End of Congress system	
		2. Mandal issue	
		3. New economic policy	
		4. Ram mandir	
		5. Consensus	
	REVISION		
December	PRE-BOARD I		
January	PRE-BOARD II		

CLASS XII PHYSICAL EDUCATION

Books: 1. HEALTH AND PHYSICAL EDUCATION BY DR. V.K. SHARMA 2. S P PHYSICAL EDUCATION BY DR. MANU

Month		Sub Topics	Practical / Viva
April	1. MANAGEMENT OF SPORTING EVENTS.	FUNCTIOS OF SPORTS EVENTS.;VARIOUS COMMITTEE AND THEIR RESPONSIBILITIES.; FIXTURES AND PROCEDURES AND INTRAMURAL AND EXTRAMURAL TOURNAMENT.;COMMUNITY SPORTS PROGRAM.	
May	2. CHILDREN AND WOMEN IN SPORTS	EXERCISE GUIDELINE OF WHO FOR DIFFERENT AGE GROUPS ; COMMON POSTURAL DEFORMITIES; WOMENS PARTICIPATION IN SPORTS ;SPECIAL CONSIDERATION ;FEMALE ATHLETES TRIAD	1. SAI KHELO INDIA FITNESS TEST (ANY THREE) 2. YOGA (ANY THREE LIFESTYLE DISEASE RELATED
June	3. YOGA AS PREVENTIVE MEASURE FOR LIFESTYLE DISEASE	OBESITY:- ASANAS PROCEDURE, BENEFITS AND CONTRAINDICATION ;DIABETES :- ASANAS PROCEDURE, BENEFITS AND CONTRAINDICATION ;ASTHAMA :- ASANAS PROCEDURE, BENEFITS AND CONTRAINDICATION; HYPERTENSION :- ASANAS PROCEDURE, BENEFITS AND CONTRADICTION ;BACK PAIN AND ARTHRITIS :- ASANAS PROCEDURE , BENEFITS AND CONTRAINDICATION	
June - July	Unit I Examination		

July	4. PHYSICAL EDUCATION AND SPORTS FOR CWSN	ORGANIZATIONS PROMOTING DISABILITY SPORTS ;CONCEPTS OF CLASSIFICATION AND DIVISIONING IN SPORTS ;CONCEPT OF INCLUSION IN SPORTS ;ADVANTAGES OF PHYSICAL ACTIVITIES FOR CWSN ; STRATEGIES TO MAKE PHYSICAL ACTIVITIES ACCESSIBLE FOR CWSN	1. SAI KHELO INDIA FITNESS TEST (ANY FOUR OUT OF SIX TEST) 2. YOGA (ANY FIVE YOGA OF LIFESTYLE DISEASE RELATED) 3. ANY ONE GAMES AND SPORTS RECOGNISED BY IOA
August	5. SPORTS AND NUTRITION 6. TEST AND MEASUREMENT IN SPORTS (CHAPTERS 1 - 6 FOR HALF YEARLY EXAM)	CONCEPT OF BALANCED DIET AND NUTRITION;MACRO AND MICRO NUTRIENTS ;NUTRITIVE AND NON - NUTRITIVE COMPONENTS IN DIET ;EATING FOR WEIGHT CONTROL - PITFALLS DIETING, FOOD INTOLERANCE AND FOOD MYTHS ;IMPORTANCE OF DIET IN SPORTS- PRE, DURING AND POST ACTIVITY ; FITNESS TEST - SAI KHELO INDIA IN SCHOOL;MEASUREMENT OF CARDIO VASCULAR TEST - HARVARD TEST ; BMR ;RIKLI AND JONES - SENIOR CITIZEN TEST ;JOHNSON - METHENY TEST OF MOTOR EDUCABILITY TEST	
September	Half Yearly Examination		

September	7. PHYSIOLOGY AND INJURIES IN SPORTS	<p>A. PHYSIOLOGICAL FACTORS DETERMINING COMPONENTS OF PHYSICAL FITNESS</p> <p>B. EFFECT OF EXERCISE ON THE MUSCULAR SYSTEM AND CARDIO RESPIRATORY SYSTEM</p> <p>C. PHYSIOLOGICAL CHANGES DUE TO AGEING</p> <p>D. DIFFERENT SPORTS INJURIES AND CLASSIFICATION</p>	<p>1. SAI KHELO INDIA FITNESS TEST :-BMI ;50 MT. SPRINT ; 600 MT. RUN / WALK ;SIT AND REACH TEST ;PARTIAL CURL UP (BOYS) MODIFIED PUSH- UPS (GIRLS)</p> <p>2. PROFICIENCY IN GAME AND SPORTS (ANY ONE GAME/SPORTS BY IOA)</p> <p>3. YOGA (DEMONSTRATIONS-RELATED WITH LIFESTYLE DISEASES- ANY FIVE YOGA - SITTING, STANDING AND LYING POSTURE.</p>
October	8. BIOMECHANICS AND SPORTS	<p>A. NEWTON'S LAW OF MOTION AND ITS APPLICATION IN SPORTS.</p> <p>B. TYPES OF LEVERS AND THEIR APPLICATION IN SPORTS.</p> <p>C. EQUILIBRIUM, CENTRE OF GRAVITY AND ITS APPLICATION.</p> <p>D. FRICTION AND PROJECTILE IN SPORTS.</p>	
November	9. PSYCHOLOGY AND SPORTS 10. TRAINING IN SPORTS (CHAPTERS 1 - 10 FOR PRE-BOARD-1 AND PRE - BOARD II EXAM.)	<p>TYPES. ;MOTIVATION, ITS TYPES AND TECHNIQUES. ;EXERCISE ADHERENCE , REASON, BENEFIT ETC.</p> <p>MEANING, CONCEPT AND TYPES OF AGGRESSIONS IN SPORTS.;PSYCHOLOGICAL ATTRIBUTES IN SPORTS. A. CONCEPT OF TALENT IDENTIFICATION AND TALENT DEVELOPMENT IN SPORTS.</p> <p>INTRODUCTION TO SPORTS TRAINING CYCLE- MICRO,MESO MACRO CYCLE. TYPES AND METHODS TO DEVELOP- STRENGTH, ENDURANCE AND SPEED. TYPES AND METHODS TO DEVELOP- FLEXIBILITY, AND COORDINATIVE ABILITY. CIRCUIT TRAINING- INTRODUCTION AND ITS IMPORTANCE.</p>	SAME PRACTICAL LIKE HALF YEARLY IN PRE-BOARD -I AND II
December	PRE-BOARD I		
January	PRE-BOARD II		

CLASS XII FASHION STUDIES

Books: 1. CBSE STUDY MATERIAL FOR CLASS 12 2. PRACTICAL WORK BOOK FOR CLASS 12

Month	Topics	Sub Topics	Practical / Viva
April	UNIT-1: HISTORY OF FASHION	INTRODUCTION TO HISTORY OF FASHION, SOURCES OF INFORMATION	TO IDENTIFY THE CULTURAL CONTEXT OF BODY ADORNMENT AND ITS CONTINUATION IN CONTEMPORARY SOCIETY.
		FACTORS AFFECTING CLOTHING – PROTECTION, RITUALISTIC, IDENTIFICATION, ADORNMENT	TO USE VISUAL REFERENCES TO ANALYZE ANCIENT DRAPED GARMENTS.
May		ORIGIN AND DEVELOPMENT OF COSTUME –DRAPED COSTUME(INDIAN, SUMERIAN, BABYLONIAN, ASSYRIAN, EGYPTIAN, GREEK AND ROMAN)	TO ANALYZE THE IMPACT OF INDUSTRIAL REVOLUTION DURING THE BRITISH RAJ IN INDIA
		INDUSTRIAL REVOLUTION – MECHANICAL INVENTIONS, INFLUENCE ON INDIA	
June	EVOLUTION OF 20THCENTURY INDIAN FASHION.		
	FILMS AND FASHION		
June - July	Unit I Examination		
July	UNIT – 2: BASIC PATTERN DEVELOPMENT	PATTERN MAKING	DEVELOP A BASIC BODICE BLOCK. (Front & Back)
		TERMINOLOGY, SYMBOLS AND ABBREVIATIONS	DEVELOP DIFFERENT NECKLINE USING THE BASIC BODICE BLOCK.
		METHODS OF MEASURING BODY AND DRESS FORM SIZES AND MEASUREMENTS TOOLS OF PATTERN MAKING	DEVELOP A BODICE THROUGH DART MANIPULATION. (3 VARIATION)
		FIT- ELEMENT OF FITS, EVALUATING FITS, NEED TO FIT AND METHODS OF FIT	
		PATTERN DEVELOPMENT- BASIC BODICE: HOW TO DEVELOP A BODICE FROM THE STANDARD MEASUREMENT CHART AND TEST FITTED ON THE DRESS FORM.	
August	UNIT – 2: BASIC PATTERN DEVELOPMENT	SLEEVELESS BODICE	DEVELOP A BASIC SKIRT BLOCK. (Front & Back)
		NECKLINE AND ITS VARIATIONS	DEVELOP STYLE VARIATIONS OF SKIRTS- ONE DART AND A-LINE.
August		DART MANIPULATION	
		HOW TO DEVELOP BASIC SKIRT BLOCK WITH ONE DART OR TWO DARTS AND A-LINE	
		COLLAR- PRINCIPLES OF COLLAR DEVELOPMENT :FLAT COLLAR, ROLL COLLAR AND STAND COLLAR, TERMINOLOGY FOR COLLARS	

September	Half Yearly Examination			
September	UNIT – 3: ELEMENTS OF FASHION	UNDERSTANDING FASHION - DEFINITION AND OVERVIEW	DESIGN PRODUCTS WITH SELF-GENERATED PRINTS INSPIRED FROM NATURE.	
		HAUTE COUTURE, HIGH FASHION, READY TO WEAR, MASS PRODUCED GARMENTS	TO DEMONSTRATE CREATIVE EXPLORATION OF PATTERNS CREATED BY USING FOOD PRODUCTS FOR DYEING PROCESS.	
		FASHION CAPITALS		
		MENSWEAR - INTRODUCTION, CATEGORIES, ELEMENTS OF DESIGN, SHIRTS, PANTS AND SHORTS, SUITS		
October		WOMEN'SWEAR - INTRODUCTION TO INDIAN WOMEN'SWEAR, ELEMENTS OF DESIGN, CATEGORIES OF WOMEN'S WEAR-DRESSES, BLOUSES/SKIRTS, TROUSERS, KAMEEZS, SARIS & BLOUSES.	DEVELOP PRINT DESIGNS INSPIRED FROM ANIMAL SKIN BY INNOVATIVE USE OF MATERIALS.	
		CHILDREN WEAR – INTRODUCTION, GARMENTS FOR DIFFERENT AGES - NEW BORN, INFANTS TODDLERS, PRE -TEENS AND TEENS, DUNGAREES	STENCIL PRINTING TECHNIQUE TO CREATE DESIGN PATTERNS / MOTIFS.	
		TRIMS USED FOR THE FASHION APPAREL		
November		UNIT – 4: BASICS OF GARMENT MAKING	UNDERSTANDING FABRIC TYPES.	STITCH A SAMPLE OF A CONTINUOUS PLACKET.
			SELECTION OF UNDERLINING, INTERFACING, LINING AND INTER-LINING	STITCH A SAMPLE OF A BASIC SHIRT PLACKET.
			CUTTING PRELIMINARIES, FABRIC PREPARATION, FABRIC CUTTING, GRAIN LINE, PRESHRINKING, IDENTIFYING THE RIGHT SIDE OF FABRIC, PINNING AND MARKING METHODS	STITCH A SAMPLE OF A BASIC SHIRT PLACKET WITH FACING.
	TYPES OF PLACKETS- CONTINUOUS, SIMPLE SHIRT PLACKET AND SHIRT PLACKET WITH FACING.		STITCH A SAMPLE EACH OF EXTENDED FACING, BIAS FACING AND SHAPED FACING.	
	NECKLINE FACING, BIAS STRIP AND PREPARATION OF BIAS STRIP.			
	APPROPRIATE NECKLINE FINISHES WITH PIPING, BIAS FACING AND SHAPED FACING (ONLY PRACTICAL)			
November - December	Pre Board I Examination			
January	Pre Board II Examination			