

ANNUAL PEDAGOGICAL PLAN 2026-27

CLASS XII

ENGLISH

MONTH	TOPIC	METHODOLOGY/ACTIVITIES	LEARNING OUTCOMES	Working Days
April	The Last Lesson	The session would begin with an interaction on homework – and the way you treat it. (Student Teacher Interaction) The Last Lesson :The learners would interpret the title of the lesson. The background knowledge of the author and his works would be given. The facilitator would develop the chain of events, with TEXT sequence or discourse/spoken with reference to the educational and personal domains.	The Last Lesson ; They would develop their Optimistic attitude towards life amidst many struggles. They would be able to familiarize themselves with specific background information of Alphonse Daudet/ history of France.	17
	Notice Writing	Difficult words and terms would be discussed. The prose will be explained. All possible questions and answers would be discussed and assigned. NOTICE :Warm up session: Learners would share their knowledge on the importance of a notice (Student- Teacher interaction) The Learners would be asked to speak about a notice they received and they remember still. The teacher would explain what a notice is and its purpose. The standard format of notice writing would be shown in the class. The teacher would discuss in detail what a notice should contain.	NOTICE : They would be able to make connections between similar situations in different storylines/life experiences like Indians under British imperialism students will be able to analyze any NOTICE shown to them on the basis of the knowledge imparted. They will be able to frame notice about any event. They will be able to identify important information in any given notice. Students will be able to use appropriate style and format to write a NOTICE effectively .	
	The Third Level	The Third Level: Objectives covered by notice would be discussed with examples The learners would interpret the title of the lesson. The background knowledge of the author and his works would be given. They would compare the chapter with The Adventure Difficult words would be listed and explained. The moral of the story would be discussed.	The Third Level :They would be able to familiarize themselves with the suppressed feeling and insecurities of the modern world They would understand that people find peace in finding escape from reality as Charley found a third level and Sam found peace in Galesburg. They would realize that sometimes it is	

			difficult to differentiate between reality and fantasy.	
	The Tiger King	The Tiger King :Explanation of the theme with characters. Explanation of the gist and That for pleasure we shouldn't play with the environment. That Environment has its own way of taking revenge. That life is Ironical and can take a U-turn any time.	The Tiger King :The learners would familiarize themselves with specific background information of social needs. They will also understand the value of protecting our environment	
	My Mother at Sixty-Six	My Mother at Sixty-Six :The importance of determination. How to battle down fears. 3. Bond between a mother and a child. 4. Learn literary devices to enhance creative writing. 5. The importance facing the fear instead of escaping it.	My Mother At Sixty-Six : The Learner will be able to: Understand different fears of losing near and dear ones. Correlate the events with life. Respond to circumstances. Application of articulation.	
	Invitations & Replies	Invitations & Replies :The teacher would discuss with examples all kinds of invitations and the method of framing replies. Along with its format.	Invitations & Replies :The students would develop an interest towards writing. Their planning and organizing techniques would be enhanced. They would be able to research on any subject and derive information from facts and present in the form of a written piece. Their creative writing would be analyzed. The interpreting and evaluative skills would be strengthened.	
June	The Lost Spring	The Lost Spring : The session would begin with an audio -video presentation on the plight of poor children. The learners would be asked to interpret the title of the lesson relating it to the presentation. The background of the author would be given. The theme and story line would be explained.	The Lost Spring : Learners will be sensitized to the problem of child labour. They would be able to identify the problem, consider the options, weigh the pros and cons of each option, and reach a decision/ opinion/solution. They would enhance their analytical skills. They would be able to uncover the motives of the poor parents / policemen / Industrialists / middlemen. They would be	10

			able to absorb didactics and inspiration.	
	Deep Water	Deep Water :The session would begin with an interactive session wherein the teacher would ask the students to discuss about their phobias as related to the theme of the lesson. Difficult words would be discussed. The story outline, theme and values would be discussed by the teacher through a PowerPoint Presentation.	Deep Water :The learners would be able to realize that fear is mankind's greatest handicap . The students would be able to provide a synopsis of the story. They will be able to analyze the values and thought process of the story. They would be able to identify the insecurity while tackling personal fears and horrors that lurk in the recesses of our mind. They would be able to appreciate the significance of developing personal fears yet rising above them to save our real liberty.	
	Keeping Quiet	Keeping Quiet : The session would begin with the study of silence. The teacher would ask the learners to maintain silence and the study the sounds of silence for one minute. The learners would discuss on the sounds and thoughts of silence and relate to the title of the poem. The background of the poet would be given. The poem would be thoroughly explained covering the use of poetic devices. Difficult words would be listed out and discussed.	Keeping Quiet :The learners would be able to understand the need of the hour to maintain World Peace and cut out the clamour and bloodshed, correlating it with contemporary background and personal experiences.	
JULY	The Rattrap	The Rattrap :The students would be grouped into six for the varied activities, discussions and presentations The session would begin with an interactive stage wherein the students would discuss on the temptations in life on the basis of the theme of the story. The title of the lesson would be opened to the class for interpretation. The background knowledge of the author would be given. The prose would be explained. Difficult words would be listed and explained. The moral of the story would be discussed.	The Rattrap : The learner will be able to: Understand different problems people face when in poverty. Evaluate the gifts of life. Respond to the world with compassion. Value being the privileged one	26

	A Thing of Beauty	A Thing of Beauty : The session would start with the introduction of Keats' poem 'Endymion: A Poetic Romance' based on the classical Greek myth of the love of the Moon Goddess Cynthia, for a young shepherd prince, Endymion. The background of the poet would be given. The poem would be read aloud, explained and discussed. Difficult Words and the use of poetic devices would be listed out and discussed.	A Thing of Beauty: They would be able to learn: -A beautiful thing remains beautiful forever - it is like a cozy bower which ensures peace of mind, calm, healthy surroundings and a quiet sleep-worldly life is full of hardships and disappointments because of lack of noble natures A beautiful object is treasured in our mind and provides us eternal and everlasting joy Beauty in all aspects: whether in growth or decay is an endless source of motivation .The learners would be able to express their ideas cohesively, completely, fluently and spontaneously with expressions, grammar usage and relevant vocabulary for a hospitable announcement of an event.	
	Writing Skill: Job Application	Job Applications: The teacher would explain the students the importance of Job application - that may lead to an interview , discuss the content of application and note the responses on the blackboard/ or discuss through a PPT.	Job Application : The learners will be able to understand the nature and purpose of a Job Application & Bio-Data. Students would be able to familiarize their view points n create their views Students would be able to familiarize their view point of views. They will be able to examine a variety of letters to determine best layout, content and style. They will be able to develop and produce their own Job application and bio data.	
	Journey To The End of The Earth	The Journey to the End of the Earth : Explanation of the theme behind the lesson b with the gist.	The Journey to the End of the Earth : Students will be able to understand the need of the hour to save the mother earth.	
AUGUST	Indigo	Indigo: The session would start with a short documentary on Champaran Episode. They would	Indigo: They would be able to understand how ordinary people	23

		be asked to list few words related to legal procedure. Discussion about Gandhi ji ,the man behind India's independence The title of the lesson would be open to the class for interpretation. The Historic background knowledge of the episode would be given.	contributed to the freedom movement. In those days what was the attitude of the average Indians living in smaller localities towards advocates of home rule. They understand how Mahatama,	
	Poets & Pancakes	Poets & Pancakes: Explanation of the theme behind the lesson with gist and Communicate their ideas regarding the Indian Film Industry. Enhance their knowledge of the events and personalities in a film company in the early days of Indian cinema. Know about the poets and writers in a film company environment	Poets & Pancakes: The learner will be able to - Analyze talent, creativity, working conditions and people involved in the studios. Understand that there was a great deal of national integration. Analyze that good poetry and music are deciding factors in the popularity of the film.	
	The Interview	The Interview: Explanation of the theme behind the lesson with gist and Compare different media of communication Understand the art of questioning and answering skills analyse that confidence is one of the important ingredient of interview	Interview: It makes the learner be able to: i) Express personal opinion. ii) Know the opinions of eminent people. iii) Understand that the interview holds a position of unprecedented power and influence.	
	Writing Skills: Articles & Report Writing	Articles & Report Writing ; The session would start with a pre-writing activity to create an interest towards writing. The teacher would define the difference between anArticle & a Report and discuss the purpose of article writing through PPT The different styles, subjects, purpose of anArticle &a Report writing would be discussed. The teacher would explain the technique of accumulating ideas, focusing on ideas and facts, planning, organizing, evaluating, structuring and editing. They would be taught the importance and way of producing a finished piece of work with examples. The requirements	Articles & Report Writing ; The students would develop an interest towards writing. Their planning and organizing techniques would be enhanced. They would be able to research on any subject and derive information from facts and present in the form of a written piece. Their creative writing would be analyzed. The interpreting and evaluative skills would be strengthened.	

		of the content, beginning, body and end would be focused.		
SEPTEMBER	The Enemy	The Enemy: The session would start with an interactive session on the services of a doctor . The title of the lesson would be open for class Interpretation The background of the author would be given. The lesson would be explained. The historical background of the story and war related issues would be discussed. Difficult words would be listed out and discussed.	The Enemy: The learners will be able to familiarize themselves with specific background of political enmity. They will be able to identify and make connections between similar situations in own life experiences where our prejudices often hinder our human compassion and empathy for a political enemy. They will be able to understand the significance of professional ethics and social obligation in sensitive times.	12
	REVISION FOR PRE MID TERM			
OCTOBER	Going Places	Going Places: Explanation of the theme behind the lesson with gist and understand that hard work is required to fulfill dream. to differentiate between unrealistic and realistic dreams iii) to understand the complexities of human relationships	Going Places: The learner will be able to: Analyse the difference between realistic and unrealistic dreams. Compare their world of fantasy and reality. Understand that there is no substitute to hard work . to understand relationships/bonding in family	15
	Writing Skills: Letter to Editor	Letter to Editor : The usage of language would be taught and students would be assigned written tasks.	Letter to Editor : The learners would be able to organize and express their thoughts freely. They would develop an interest towards creative writing thus enhancing their writing skills.	
	On the Face Of It	On the Face of It : The session would start with an interaction on appearances are deceptive . The title of the story would be open for interpretation. The background of the author would be given. The	On The Face of It : They will be able to appreciate the timeless significance of universal fears of loss and gain, of happy ending and parenting issues. The	

		prose would be read aloud and discussed. The format, rules, technique would be discussed with examples	learners would be able to fight out their loneliness, depression and disappointment. They would accept the physically challenged people positively in their life and expand their social interaction. They would be able to build up optimism and self confidence.	
NOVEMBER	Memories of The Childhood	Memories of The Childhood: Explanation of the theme behind the lesson with gist and Imbibe values like respect, honesty, patience and self reliance. Rise above prejudices .	Memories of Childhood:Correlate how to respect people from different culture. Articulate their own perspective of treating underprivileged and marginalized community	22
	The Roadside Stand	The Roadside Stand:Identify ways to reduce inequalities. Infer and eradicate social injustice and class inequalities. Evaluate a sense of humanity.	The Roadside stand:Understand feelings of sympathy, disgust and anger. Organize developmental plans of education, health and sanitation. understand the contrast between the lives of rich and poor	
	Aunt Jennifer's Tigers	Aunt Jennifer's Tigers:Children will learn: i) To empathize with the victims of male chauvinism ii) Understand that females even have inherent desires and they deserve freedom.	Aunt Jennifer's Tigers:Understandthe suppression women go through.Analyze& respect the dignity of fellow beings. Respondto the world with compassion. Valuebeing the privileged one.Application of articulation.	
DECEMBER	ASL- As per CBSE based on the project work submitted by the students. Revision: -- Entire Syllabus of Annual Exam inclusive of Reading Skills, Writing Skills and Literature. First Pre-Board			
JANUARY	Second Pre-Board			
FEBRUARY/ MARCH	Board Exam – 2026-27			

CHEMISTRY

MONTH	TOPIC	METHODOLOGY/A CTIVITIES	LEARNINGOUTCOMES	Worki ng Days
APRIL	Chapter 1: Solution 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.	Discussion of assignment given, Board Papers, Sample Papers Determination of concentration/ molarity of KMnO_4 solution by titrating it against a standard solution of: i) Oxalic acid, ii) Ferrous Ammonium Sulphate (Students will be required to prepare standard solutions by weighing themselves).	describe the principles concerning solid state structures .describe specific crystal structures by applying basic crystallographic concepts . of the nature of solution-focused approach, including the underlying assumptions, values that guide this perspective; . of the contexts within which strength-based approach is practiced; . and possibility to practice the acquired knowledge through case .	17
JUNE	Chapter2: 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 .Dry cell, electrolytic cells and galvanic cells lead accumulator fuel cells corrosion	Discussion of assignment given, Board Papers, Sample Papers.	Determine rate law of chemical change based on experimental data..	10
JULY	Chapter3: Chemical kinetics Rate of a reaction (Average and instantaneous), factors affecting rate of reaction: concentration, temperature, catalyst; order and molecularity of a reaction, rate	Discussion of assignment given, Board Papers, Sample Papers & test series.	Determine rate law of chemical change based on experimental data Be able to identify the reaction order for a chemical change .	26

	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 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. Lanthanoids - Electronic configuration, oxidation states and lanthanoid contraction and its consequences	Discussion of assignment given, Board Papers, Sample Papers	Apply integrated rate equations to solve for the concentration of chemical species during a reaction of different orders. Understand the concept related to atomic radii and ionization enthalpy. use of the inert pair effect, shielding effect in case of radius of d block element. Understand the concept of lanthanoid contraction and actinoid contraction.	
AUGUST	Chapter 5: 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. Chapter 6: Haloalkanes and Haloarenes: Nomenclature, nature of C-X bond, physical and chemical properties, optical rotation mechanism of substitution reactions.	Discussion of assignment given, Board Papers, Sample Papers Discussion of assignment given, Board Papers, Sample Papers Qualitative analysis .	Discuss the properties of coordination compounds. Categorize Coordination Compounds. Relate Valence Bond Theory and Hybridization. Discuss Valence Bond Theory. consider Effective Atomic Number Theory and Werner Complexes. Classify the various organic halo compounds. Recognise the nature of C-X bond. Describe the general methods of	23

	Haloarenes: Nature of C-X bond, substitution reactions (Directive influence of halogen in halogen monosubstituted compounds only).		preparation of haloalkanes and haloarenes. Explain the physical and chemical properties of haloalkanes and haloarenes. Describe the mechanism of nucleophilic substitution and elimination reaction.	
SEPTEMBER	REVISION FOR MID TERM			
OCTOBER	Chapter7: Alcohols, Phenol And Ether : Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only), identification of primary, secondary and tertiary alcohols, mechanism of dehydration. Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols. Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses.	Discuss of assignment given, Board papers , Sample papers	1.) Classify alcohol phenol and ether and also name them according to IUPAC nomenclature. 2) Understand the various reactions involved in the preparation of alcohol phenol and ether. (3) Correlation the gradation in melting , boiling points and other physical properties with their structure. (4) Discuss the chemical reactions of alcohol phenol and ether and understand the mechanisms involved in various reaction	15
NOVEMBER	Chapter8: Aldehydes and Ketones and carboxylic acids:	Discuss of assignment given, Board papers ,		

	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	Sample papers Project; Study of presence of oxalate ions in guava fruit at different stages of ripening	Explain the difference between an aldehyde and a ketone Name aldehydes and ketones according to the IUPAC system given the structural formulas and vice versa Discuss the physical properties of aldehydes and ketones List some characteristic reactions of aldehydes and ketones Define keto-enol tautomerism	
DECEMBER	Chapter 9: Amines: Nomenclature, classification, structure, methods of preparation, physical and chemical properties, uses, identification of primary, secondary and tertiary amines.	Discussion of assignment given, Board Papers, Sample Papers Preparation of Organic Compounds Preparation of any one of the following compounds - Acetanilide - Di-benzal - Acetone - pNitroacetanilide - Aniline yellow or 2 - Naphthol Aniline dye	Give examples of a primary, secondary and tertiary amine · Name amines according to the IUPAC system given the structural formulas and vice versa	22
	Chapter 10: Biomolecules Carbohydrates - Classification (Aldoses and Ketoses), monosaccharides (glucose and fructose), D-L configuration 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 Nucleic Acids: DNA and RNA.	H. Tests for the functional groups present in organic compounds: Unsaturation, alcoholic, phenolic, aldehydic, ketonic, carboxylic and amino (Primary) groups. Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given food stuffs.	Outline the structures of DNA and RNA and explain the structural difference · List the roles of different types of RNA such as transfer RNA, ribosomal RNA, messenger RNA	

JANUARY	REVISION FOR PRE-BOARD EXAMINATIONS AND FINAL PRACTICAL EXAM
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PHYSICS

Month	Unit/Topic	Methodology/Activity	Learning Outcome	Working days
March/ April	Unit I: Electrostatics Chapter-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).	1. White Board teaching. 2. showing same charges repel & opposite charge attract each other using ebonite rod. 3. Lecture method with example.	To acquaint the History of charge and potential and its application.	17
June	Chapter-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, 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.	• Short notes. • PPT • Short videos. • lecture method through white board. • Revision . • Tata Class Edge	1. Understand the meaning of capacitor with special reference to practical activities.	10
July	Unit II: Current Electricity	• Short notes. • PPT	1. Understand the	26

	Chapter-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, electrical resistance, V-I characteristics (linear and nonlinear), 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 laws and simple applications. Wheatstone bridge, Metre bridge. Unit III: Magnetic Effects of Current 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. 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; moving coil galvanometer-its current sensitivity and conversion to ammeter and voltmeter.	• Short videos. • lecture method through white board. • Revision . • Tata Class Edge	1.Discuss the characteristics of flowing current concept of combination of cells,...	
August	Chapter-5 Magnetism and Matter 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	• Short notes. • PPT • Short videos. • lecture method through white board. • Revision .	1.Understand the broad categories of magnetic effect of current carrying conductor,solenoid and	23

	(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. Unit IV: Electromagnetic Induction and Alternating Currents Chapter-6 Electromagnetic Induction Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law, Self and mutual induction.	Tata Class Edge	torroid in practical life.. 2. showing properties of Earth' magnetic field. 1. Discuss the meaning of induced emf and induced current. 2 .Discuss the meaning of different types of generator.	
September	Chapter-7 Alternating Current Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance, LCR series circuit, resonance; power in AC circuits, power factor, wattless current. AC generator and transformer. Unit V: Electromagnetic waves Chapter-8 Electromagnetic Wave Basic idea of displacement current, Electromagnetic waves, their characteristics, their Transverse nature (qualitative ideas only). Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses.	- Short notes. - PPT - Short videos. - lecture method through white board. - Revision . - Tata Class Edge	1.Examine the role ofalternating current. 2.Discuss the meaning of different types of electromagnetic waves. 3.Examine the role of andapplication of EMW.	10
Mid Term Exam				
October	Unit VI: OPTICS Chapter-9 Ray Optics & Optical Instruments Reflection of light, spherical mirrors, mirror formula, refraction of	- Short notes. - PPT - Short videos.	1. Understand the concept of behaviour of light in dailylife.	20

	light, total internal reflection and its applications, optical fibres, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, Magnification, power of a lens, combination of thin lenses in contact, Refraction and dispersion of light through a prism. Optical instruments- Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers. Chapter-10 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. Interference, Young's double slit experiment and expression for fringe width, coherent sources and sustained interference of light. Diffraction due to a single slit, width of central maximum. (qualitative treatment only).	● lecture method through white board. ● Revision . ● Tata Class Edge	2.Examine the nature and causes of different phenomenon of light.	
November	Unit VII: Dual Nature of Matter and Radiation Chapter-11 Dual Nature of Matter & Radiation 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.	● Short notes. ● PPT ● Short videos. ● lecture method through white board. ● Revision . ● Tata Class Edge		
	Chapter-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, nuclear fission-mass number.	● Short notes. ● PPT ● Short videos. ● lecture method through white board. ● Revision .	Understand the concept of modern and digital physics.	22

	Unit IX: Electronic 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, application of junction diode -diode as a rectifier.	Tata Class Edge		
December / January	REVISION FOR PRE-BOARD EXAMINATIONS AND FINAL PRACTICAL EXAM			

BIOLOGY

Month	Topics	Methodology	Learning Outcome	Working days
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, parthenocarpy, polyembryony; Significance of seed dispersal and fruit formation.	Descriptive exemplary flowchart diagrammatic.	Understanding of sexual reproductive processes in plants.	10
	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	Descriptive, exemplary, flowchart.	Understanding of Human reproductive system its functioning and process	7

	and placenta formation (elementary idea); parturition (elementary idea); lactation (elementary idea)			
JUNE	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 (elementary idea for general awareness).	Exemplary, referral, diagrammatic	Understanding importance of reproductive health, and measures for the same.	10
JULY	Chapter-4: Principles of Inheritance and Variation Heredity and variation: Mendelian inheritance; deviations from Mendelism – incomplete dominance, co-dominance. Principles of Inheritance and Variation 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.	Exemplary, referral, diagrammatic	To get aware with the basic principles about transmission of genetic information.	

AUGUST	Chapter-5: Molecular Basis of Inheritance Search for genetic material and DNA as genetic material. Molecular Basis of Inheritance 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, (Contd...)	Diagrammatic descriptive referral	Understanding of D.N.A and R.N.A., their origin structure and functionality.	23
		Descriptive referral	Understanding basic concept and theory of evolution.	
SEPTEMBER	Chapter-6: Evolution types of natural selection; Gene flow and genetic drift; Hardy - Weinberg's principle; adaptive radiation; human evolution. Chapter-7: Human Health and Diseases Pathogens; parasites causing human diseases (malaria, dengue, chikungunya, filariasis, ascariasis, typhoid, pneumonia,	Diagrammatic descriptive referral exemplary	Understanding of human pathogen, their symptoms and agents causing diseases	12

	common cold, amoebiasis, ring worm) and their control; Basic concepts of immunology - vaccines(Contd....)			
	REVISION FOR MID TERM			
OCTOBER	Chapter-7: Human Health and Diseases cancer, HIV and AIDS; Adolescence - drug and alcohol abuse. Chapter-8: 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. Chapter-9:Biotechnology- Principles and Processes Genetic Engineering (Recombinant DNA Technology).	Descriptive flow chart exemplary Diagrammatic descriptive referral exemplary	Understanding of microorganisms and their benefits in our life and various fields Understanding of Application and techniques used in biotechnology	5

	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 - Bt crops; transgenic animals; biosafety issues, biopiracy and patents.	Flowchart descriptive referral exemplary	Understanding of various general, industrial and medicinal applications of biotechnology	5
NOVEMBER	Chapter-11: ORGANISM 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) Chapter-12: Ecosystem Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy (Topics excluded: Ecological Succession and Nutrient Cycles)	Flowchart, Descriptive, Exemplary	Understanding of our environment its components and role	22
	Chapter-13: Biodiversity -Concept, patterns importance; loss of biodiversity; biodiversity conservation; hotspots	Exemplary, referral, diagrammatic	Understanding about biodiversity its trends and factors affecting biodiversity	11

	endangered organisms, extinction, Red Data Book, Sacred Groves, biosphere reserves, national parks, wildlife, sanctuaries and Ramsar sites. Revision			
DECEMBER	First Preboard Exam			
JANUARY	Second Preboard Exam			
FEBRUARY/MARCH	Board Exam- 2026-27			

Mathematics-

MONTH	UNIT/TOPIC	METHODOLOGY/ ACTIVITIES	LEARNING OUTCOME	WORKING DAYS
APRIL	Unit: I Relation and Function Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions, composite functions, inverse of a function. Binary operations.		Students will be able to understand the concept and solve the questions based on the content taught of Relation and Functions.	17
	Unit: I Inverse Trigonometric function Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions. Elementary properties of inverse trigonometric functions.	To explore the principal value of function using a unit circle.	Students are able to solve the questions of Inverse Trigonometric Function.	

JUNE	Unit:II Matrix and Determinant Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restricted to square matrices of order 2). Concept of elementary row and column operations. Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries). <u>Determinant:-</u> Determinant of a square matrix (up to 3×3 matrices), properties of determinants, minors, co-factors and Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.		Students are able to solve the questions of Matrix and Determinant.	10
	Continuity & Differentiability Functions, derivative of implicit functions. Concept of	To find Analytically the limit of a function $f(x)$ at $x = c$ and	Students are able to solve the questions of Continuity & Differentiability	

	exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Continuity and differentiability, derivative of composite functions, chain rule, derivatives of inverse trigonometric. Logarithmic differentiation,	also to check the continuity of the function at that point.		
JULY	Continuity& Differentiability Derivative of functions expressed in parametric forms. Second order derivatives.'			26
AUGUST	III Application of Derivatives Applications of derivatives: 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). 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. $\pm$, $\pm$, $\sqrt{\quad}$,	To understand the concepts of local maxima, local minima and point of inflection. To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corners.		23

	$\sqrt{\quad},$ $\sqrt{\quad}, \sqrt{\quad} -$ $\pm$ Fundamental Theorem of Calculus (without proof). Basic properties of definite integrals, proof and evaluation of definite integrals.			Students are able to solve the questions of Integrals.	
SEPTEMBER	REVISION AND EXAMINATION				
OCTOBER	Application of Integrals Applications in finding the area under simple curves, especially lines, circles/parabolas/ellipses (in standard form only). 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. Vector Algebra : 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	ART INTEGRATED LEARNING ACTIVITY : STUDY OF SYMMETRY AS A CONCEPT USING ART. To verify geometrically that $\times(+) = \times$ $+$ $\times$ To measure the shortest distance between two skew lines and verify it analytically.		Students are able to find the area bounded under the curve. Students are able to identify a differential equation and solve the questions based on the content taught Students are able to solve the questions of Vectors.	1 5 2 2

NOVEMBER	(dot) product of vectors, vector (cross) product of vectors. _____ Three Dimentional Geometry : Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, coplanar and skew lines, shortest distance between two lines..			Students are able to solve the questions of Three Dimensional Geometry.	
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	Linear Programming Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P) problems, graphical method of solution for problems in two variables, feasible regions(bound). Probability Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution.	To demonstrate the equation of a plane in normal form To explain the computation of conditional probability of a given event A, when B has already occurred, through an example throwing a pair of dice	Students are able to solve the questions of Linear Programming. Students are able to solve the questions of Probability	
DECEMBER	FIRST PREBOARD			
JANUARY	SECOND PREBOARD			
FEBRUARY /MARCH	ANNUAL EXAM- 2026-27			

COMPUTER SCIENCE:

Month	Topic	Methodology	Learning Outcomes	Working Days
April	(CH-1)Python Revision Tour- (CH-2)Python Revision Tour – II (CH-3)Working with Functions	Practical in Spyder/IDLE (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)	17
June	(CH-5)File Handling (CH-6) Exception Handling	Practical in Spyder (Python) Explain using Tata ClassEdge	Data Files (Text files & Binary files), Opening and closing files, Reading and Writing files. CSV files.	10
July	(CH-10)Relational Databases (CH-11)Simple Queries in SQL	Diagrams, Images Practical in MySQL PowerPoint presentation	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)	26
August	(CH-12)Table Creation & Data Manipulation command (CH-13)Grouping records, Join in SQL	Practical in MySQL Explain using Tata ClassEdge	Creating Tables with SQL constraint's, Primary key, foreign key, Altering Tables, Dropping Tables. SQL Joins.	23
September	Revision for Mid – Term Examination			
October	(CH-14) Interface Python with MySQL	Practical in Spyder (Python) Practical Demonstration of connectivity of Front	Connecting to MYSQL from Python, Parameterized Queries, performing insert and update Queries.	15

	(CH-7)Data Structure (Stack)	end(Python) and back end(MySQL).	Data Structure: Stack, operations on stack (push & pop), implementation of stack using list.	
November	(CH8)Computer Networks I (CH9) Computer Networks II	PPTs, Images, Questions based on general Observations. Explain using ExtraMarks	Computer networks, Types of computer networks, Networking devices.	19
December	First Pre Board Exam			
January	Second Pre Board Exam			
February /March	Board Exam 2026-27			

PHYSICAL EDUCATION

Month	Unit/Topic	Methodology/Activity	Learning Outcome	Working days
April	Unit- 1 Management of Sporting Event Topic : Meaning of management and role of it in sports Meaning of management in sports and it's objectives in the field of sports Topic : fixtures and methods of preparing fixture Knowledge about preparing fixture and the ways of it.	1. Lecture Method using Black board. 2. Real life examples 3. Giving real examples about fixtures in sports.	Students will come to know about the role of management in the field of physical education & the ways to prepare fixtures for knock out tournament, league tournament etc.	17

June	Unit-2 Children and women in sports Topic: Meaning of good posture and postural deformities Introduction about the good posture of an individual and the postural deformities Topic: knock knees, bow legs, round shoulders Details about the postural deformities Topic: menarche and female athlete TRIAD Introduction about the menstrual cycle and menarche	1. Lecture Method using black board 2. Diagrammatic view of types of postural deformities 3. To provide with the knowledge of postural deformity 4. To provide with the knowledge of menstrual cycle and female athlete TRIAD	Students will have knowledge about good posture . What are the postural deformities and how its caused	10
July	Unit - 3 Yoga as preventive measure for lifestyle disease Topic: introduction to yoga Different asanas of the yoga and their elements Unit -4 Physical Education and Sports for CWSN Topic: Aims and Objectives of Adaptive Physical Education, Special Olympic Bharat Objectives of physical education for children with special needs explained. Introduction about organization promoting adaptive physical education.	1. Lecture Method using Black Board 2. Related Video 3. To determine the aims of yoga asanas. 4. Practical presentation of yoga asanas. 5. Objectives of adaptive fitness for CWSN.	Students Will be known about importance of yoga and different asanas for the wellness of body. Yoga and it's Elements will be known to students and the importance of yoga will be known. Objectives of physical education for children with special needs will be known to the students.	26
August	Unit- 5 Sports and Nutrition Topic: Balance diet & Role of a nutrient in the development of the body.	1. Lecture Method using examples and black Board 2. PPT Slide	Develop observational, manipulative, decision	23

	Concept of balance diet and nutrition rich food for an individual. Topic : Macro and Micro nutrients Sources of macro nutrients and micro nutrients Topic: Nutritive and Non-Nutritive components of a diet. Unit- 6 Test and Measurements in sports Topic : Introduction to Test and Measurement Meaning of Test and Measurement Topic: SAI Khelo India Fitness test in school. Details about SAI Khelo India Fitness test in school. Topic : Rikli and Jones- Senior citizen test .	3. Nutritive and Non-Nutritive components of a diet for a human being. 4. Details about the different test involved in sports including Khelo India fitness test and Rikli and Jones- Senior citizen test	making skills in the learners. Knowing about the Nutritive and Non-Nutritive components of a diet. Knowledge about the different test involved in sports including Khelo India fitness test and Rikli and Jones- Senior citizen test	
Mid Term Exam				

September	Chapter 7 Physiology and injuries in sports.. Topic: physiological factors of physical fitness. Details about the factors which affects the physical fitness of the individual. Topic: Effect of exercise on muscular and cardio-respiratory system How the exercise effects the health of muscle and heart of an individual. Topic : sports injuries Classification of the injuries in the field of sports and their causes. First-Aid for the injuries.	1. Lecture Method using Black Board 2. Diagrammatic showcase of different parts of the body. 3. To find the effect of exercise on muscular and cardio vascular system of the human being.	Students know about the factors which affects the physical fitness of the individual. . . Students know about the effect of exercise on muscular and cardio vascular system	12
October	Chapter 8 Biomechanics and sports.. Topic: Role of biomechanics in physical education Biomechanics and its importance in the sports activities. How the biomechanics is involved in sports and its performance. Topic : Newton law of motion and its application in sports Newton's law importance in the sports activities. How the different laws are involved in sports and its performance Topic: Friction and projectile in sports	1. Lecture Method using Black Board 2. How the Newton's laws plays a role in the result of any sports. 3. To study different laws which are involved in sports and its performance	Know about the Newton's laws and its role in the result of any sports. Knowing about the different laws which are involved in sports	15

	Introduction to friction and its role in the field of sports .			
November	Unit 9 Psychology and sports. Topic :Meaning of psychology of the human beings Introduction to different types of psychology present in human beings Topic : Big five theory of personality Introduction to openness, agreeableness, extraversion etc. Topic: concept and types of aggression in sports The role of aggression in sports activity.	1. Lecture Method using Black Board 2. Flowchart or diagrammatic view of aspect of psychology. 3. To study the relationship between the five theories of personality and how it effects the overall development of human being. 4. To study the importance of aggression in the field of sports.	Promotion of basic psychology facts of the human beings and how it affects the performance of the individual in physical education. Knowing about the Sheldon and Jung's theories of the personality Knowing about the aggression and how to control it during the sporting activity.	22
	Unit 10 Training in sports. Topic: Meaning of training and its importance in sports. Introduction to the training and its need in the field of sports to perform during the sports activities. Topic: Methods to develop strength, endurance, speed. Introduction to strength, endurance, speed and its effect in the field of sports to during the sports activities Topic: Methods to develop flexibility and coordinative ability. Ways to develop the flexibility in a sports person and improve the coordinative ability of an individual.	1. Lecture Method using Black Board 2. PPT slide can be prepared to make them understand well. 3. To determine the role of training. 4. To study about the speed, strength and endurance 5. How develop the flexibility in a sports person different ways of testing it out.	Providing knowledge about the training and its need in the field of sports. Types of strengths and ways to increase it . Knowledge about coordinative ability of an individual	
December	First Pre Board Exam			

January	Second Pre Board Exam
February /March	Board Exam-2026-27

ECONOMICS

Month	Topic	Methodology	Learning Outcomes	Working Days
MARCH/APRIL	BOOK 1 -MACRO ECONOMICS UNIT 2 MONEY & BANKING - Meaning of Money, Barter system, forms of money, supply of money, measurement of money supply, Currency held by people, credit creation of commercial banks, Functions of Central Bank, Measures to control credit by the Central Bank	Chalk board method Lecture method Explanations with examples Perform a group activity where few students have to play the role of Central Bank and Commercial Bank while rest of the students have to act as public. Now explain how RBI controls credit. (creative thinking skill / problem solving)	After reading this chapter the learners will be able to- Define barter system with its drawbacks. Money supply and suppliers of money, forms of money, Credit Creation by Commercial bank, Functions of Central Bank, and the most important how Central Bank controls Credit in the economy – Qualitative & Quantitative instruments.	17
	Book 2 INDIAN ECONOMY UNIT – 6 INDIAN ECONOMY ON THE EVE OF INDEPENDENCE. INDIAN ECONOMY since 1950 – 90 UNIT 1 , CHAP -3 ECONOMIC REFORMS SINCE 1991 – LPG AN APPRAISAL CONCEPT OF DEMONETIZATION AND GST Marco Economics	PPT'S Chalk Board method (online) MCQ'S , SHORT ANSWER QUESTIONS, LECTURE METHOD, Explanation with examples.	After reading this material the learners will – -Become familiar with the state of Indian Economy in 1947, the year of India's Independence. - understand the factors that led to the under development and stagnation of the Indian Economy.- Elaborate & explain demonetization and GST	

JUNE	BOOK 2 INDIAN ECONOMY UNIT -1 NATIONAL INCOME What is? 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);	-Power point presentations -Short videos. - chalk board method.(online) -lecture method . -Explanation with examples Find out the most vulnerable group in yourCity . Collect the details for discussion in the classroom covering the problems faced by such people and suggest remedies to them. (Interpersonal skill and empathy skill)	After reading this material the learners will: 1. Learn about various concepts of National Income	10
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JULY	Marco Economics unit -1 NATIONAL INCOME Methods of calculating National Income -Value Added or Product method, Expenditure method, Income method. Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross and Net Domestic Product (GDP and NDP) - at market price, at factor cost; Real and Nominal GDP; GDP and Welfare UNIT-7 CH-3 HUMAN CAPITAL FORMATION CH-4 EMPLOYMENT Human Capital Formation: How people become resource; Role of human capital in economic development; Employment: Formal and informal growth; problems and policies	-Power point presentations -Short videos. - chalk board method.(online) -lecture method . -Explanation with examples Taking an example of a Bakery Shop, Students will be asked to select any bakery product and will be required to calculate: 1) Intermediate cost 2) Final cost Problem solving method will be applied for solving numerical questions based on – ● Value added method ● Income method ● Expenditure method - chalk board method. -lecture method . -Explanation with examples. Suggest the methods of reducing the informal employment and also mention how it can be beneficial for the country. (Effective communication, critical thinking, analyzing the difference between both the sectors).	After reading this material the learners will be able to: 1. Define the basic concepts of national income. 2. Enlist various concepts to be remembered while calculating the national income 3. Recognize the formulae for three methods of calculating the national income. Apply various methods in estimation of national income. After reading this material the learners will: 1. Learn about Human Resources, Human Capital formation and Human Development. 2. Have understood the links between investment in Human Capital, Economic growth and Human Development 3. Have understood the need for government spending on education and health 4. Have learnt about the state of India's educational attainment.	26
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AUGUST	Macro Economics Unit-3 Aggregate Demand and Aggregate Supply 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. Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply.	-Power point presentations -Short videos. - chalk board method.(online) -lecture method . -Explanation with examples Diagrammatic explanation. Taking a real life example students will be asked to explain the impact of investment.	After reading this material the learners will be able to: 1. Define Aggregate Demand and Aggregate Supply 2. List out the components of AD and AS. 3. Identify the formulae of both the concepts. 4. Draw and explain the diagrams of AD, AS, Saving, Investment, APC, APS, MPC, MPS, Consumption Function and Saving Function. 5. Find out inflationary gap and deflationary gap in the economy.	23
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	Indian Economy Unit-7 Ch-2 RURAL DEVELOPMENT Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming Ch-6 Sustainable Development Sustainable Economic Development: Meaning, Effects of Economic Development on Resources and Environment, including global warming -	- Power point presentations - Short videos. - chalk board method. - lecture method . - Explanation with examples	After reading this material the learners will: 1. Understand rural development and major issues associated with it 2. Appreciate how crucial the development of rural areas is for India's overall development. 3. Understand the critical role of credit and marketing systems in rural development 4. Learn about the importance of diversification of productive activities to sustain livelihoods. 5. Understand the significance of organic farming in sustainable development.	8 DAYS
SEPTEMBER	REVISION FOR MID TERM EXAM			

OCTOBER	MACRO ECONOMICS UNIT-4 GOVERNMENT BUDGET Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; classification of expenditure - revenue expenditure and capital expenditure. Measures of government deficit - revenue deficit, fiscal deficit, primary deficit, their meaning. Unit 5 Ch1 FOREIGN EXCHANGE RATE Balance of payments account - meaning and components; Foreign exchange rate - meaning of fixed and flexible rates and managed floating.	Prepare a short project on how government can use the budgetary policies in reducing inequality of income in the economy. (Creative thinking skills) (HINT: PDS, Subsidy, Rationalization of Taxes) Group discussion by creating a real theme of International market in the classroom. (covering the impact of changes in the exchange rate)	After reading this material the learners will be able to: 1. Define budget, objectives and structure of budget 2. Explain the difference between Revenue budget and Revenue receipts, Capital budget and Capital receipts 3. Explain difference between Revenue expenditure and Capital expenditure 4. Explain Primary deficit, Fiscal deficit and its implications. Distinguish between fixed exchange rate system, floating exchange rate system and managed floating 5. Explain how foreign exchange rate is determined in a free market. 6. Draw the diagram of exchange rate determination in a flexible exchange rate system.	15
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NOVEMBER	INDIAN ECONOMY UNIT -8 COMPARISON WITH NEIGHBOURS INDIA AND PAKISTAN A comparison with neighbors: India and Pakistan India and China Issues: growth, population, sectoral development and other Human Development Indicators. MACRO ECONOMICS UNIT -5 CH-1 BALANCE OF PAYMENT	Art Integrated Learning: Through a pictorial presentation or PPT show how your city is at present and how you see it as your DREAM CITY. (Effective communication and Critical thinking. Group discussion on the concept of River Pollution in Pretext of religious ceremonies and industrial waste. Discussion of Board Papers, Sample Papers and Marking Scheme. Prepare a pie chart on the expenditure pattern of India, China and Pakistan.	After reading this material the learners will: 1. Understand the main challenges India faces in the area of social and economic infrastructure. 2. Understand the role of infrastructure in economic development After reading this material the learners will: 1. Learn and figure out comparative trends After reading this material the learners will: 1. Learn and understand the concept of environment 2. Analyze the cause and effects of environment degradation and resource depletion 3. Understand the nature of environmental challenges facing India. After reading this material the learners will be able to: 1. Define Balance of trade and Balance of payments. 2. Distinguish between current account and capital account 3. Compare the contrast between autonomous items and accommodating items	22
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DECEMBER	FIRST PRE BOARD			
JANUARY	SECOND PRE BOARD			
FEBRUARY	BOARD EXAM-2026-27			

BUSSINESS STUDIES

Month	Topic	Methodology/Activities	Learning Outcome	Working Days
APRIL	Consumer protection. Business –meaning & importance of consumer protection. Consumer and Business point of view. Rights and reliefs available to consumer. Who can file a complain. Responsibilities of consumer. Redressal agencies and Role of NGO. Business environment Meaning of business environment. importance of business environment. characteristics of business environment. dimensions of business environment. demonetisation. Financial management. Concept of financial Management. primary objective of financial management. Importance of financial management. Financial decisions. Capital budgeting decision. financing decision . dividend decision. Financial planning, importance of financial	Lecture method Assignment • NCERT Questions • CBSE Sample Paper  CBSE Test Paper • Revision worksheets • Practice Assignment Lecture Notes, Assignment • NCERT Questions • CBSE Sample Paper  CBSE Test Paper • Practice Assignment	After going through this unit, the students will be able to • Describe the meaning & main features of consumer protection. • importance ,rights , Redressal agencies and reliefs After going through this Unit, the students will be able to Concept of business environment importance of business environment students will know the dimensions of business environment and the importance of demonetisation Concept of financial management financial planning capital structure requirement and working capital requirement .	18

	planning. Capital structure factors affecting capital structure . fixed capital requirement and working capital required.			
JUNE/ JULY	Financial market. Concept of financial Market. Money market ,features of money market, secondary market, difference between money market and capital market. Primary market concept and secondary market concept difference between primary and secondary market. Functions of stock exchange, concert of SEBI functions of SEBI and trading process on stock exchange. Nature and significance of Management. Concept of management ,features of Management ,characteristics of Management ,importance of Management levels of Management. coordination concept, features of coordination importance of coordination.	Explanatory method with the examples of various sources of Business and trading on secondary market and money market. Assignment • NCERT Questions • CBSE Sample Paper  CBSE Test Paper • Practice Assignment	After going through this unit the students will be able to • State the meaning, nature and importance of financial market • Classify the various Money market primary market secondary market and sebi. Management nature and significance of Management . Management as professional ,as a science, Management as a art.. coordination is the essence of management , the levels of Management of top level middle level and supervisory level.	10 26
AUGUST	Principles of management. FW Taylor scientific principles of management.	Lecture Notes, Explanatory method using various examples of different types	After going through this Unit, the students will be able to	23

Techniques of scientific studies and functional foremanship. Henry fayol's principles of management.

Planning.
Concept of planning, features of planning ,importance of planning, limitations of planning. Planning process. Single use plan standing plan. Types of plans.

Organising.
Concept of organising process and features of organising.
Organisational structure.
Functional structure features advantages limitations.
Divisional structure features advantages limitations.
Formal organisation advantages and limitations.
Informal organisation advantages and limitations.
Delegation and decentralization and their importance.

scientific and methods of principles of management.

Assignment

- NCERTQuestions
- CBSE Sample Paper 📄 CBSETest Paper
- PracticeAssignment

- Understand the meaning & types of Taylor and Fayol's principles.
- Discuss the meaning & types of scientific studies
- Develop an understanding of the different scientific principles techniques
- Recall the concept of principles.

After going through this unit the students will be able to

- Give the meaning of planning, scope & it' importance and types of plans.
- Concept of organising ,delegation decentralization, organisation structure and forms of organisation.

SEPTEMBER

Staffing.
Concept of staffing, importance of staffing, process of staffing. Recruitment ,process of recruitment internal sources of

Explanatory method with various examples.

After going through this unit the students will be able to

recruitment and external sources of recruitment.
Selection, process of selection.
On the job training , off the job training.

Directing.
Concept of directing, importance of directing, human resource Management.
Leadership ,features of leadership, Styles of leadership.
Motivation, importance of motivation features of motivation, motivation process, Maslow's motivational theory.
Financial incentive ,types of financial incentive ,non financial incentive and types of financial incentives and non financial incentives.
Communication, concept of communication, communication process, formal communication informal communication ,barriers of communication ,how to improve communication

Lecture notes & explanatory method using examples of Various Staffing , internal and external sources of recruitment .on the job training.

Styles of leadership
autocratic style of leadership
democratic style of leadership
free reign style of leadership.
Types of financial incentives and non financial incentives.
Semantic barriers of communication,

•State the concept of staffing, various processes of staffing, recruitment,selection.
On the job training, off the job training.

After going through this unit the students will be able to :
Meaning of directing
styles of directing
leadership qualities
communication
and barriers.
Motivation techniques.

		psychological barriers of communication, organisation barriers of communication , personal barriers of communication		
OCTOBER	Controlling. Concept of controlling, importance of controlling , limitations of controlling, controlling process, relationship between planning and controlling.	Lecture notes and explanatory method using daily life and business models examples.	After going through this Unit, the students will be able to • meaning of controlling process of controlling and relationship between planning and controlling from, planning and controlling are inseparable twins of Management , Planning is meaningless without controlling and controlling is blind without planning. Understand the concept of marketing, swot analyses, marketing management philosophy ,product design development ,customer care services standardization and grading branding ,packaging ,labelling, pricing physical distribution and promotion.	15
NOVEMBER	Marketing. Concept of marketing , features of marketing marketing management philosophies elements of marketing. Functions of marketing. Concept of product, branding, packaging, labelling. Pricing, factors affecting the price determinant. Physical distribution, components of physical distribution levels of channels of distribution. Promotion concept. Concept of advertisement, personal selling ,sales promotion public relation department.	Lecture Notes, Explanatory method Using daily life examples Project report on International trade		22
DECEMBER	CBSE PROJECT PREPARATION ON ANY ONE TOPIC, Business Environment Principles of Management Financial Market Marketing.			
JANUARY	Pre-Board Examination CBSE BOARD PRACTICAL EXAMINATION. REVISION FOR CBSE EXAMINATION.			

**FEBRUARY/
MARCH**

ANNUAL EXAM -2026-27

ACCOUNTANCY

MONTH	TOPIC	METHODOLOGY/ACTIVITIES	LEARNING OUTCOMES	WORKING DAYS
March/ April	Unit 2: Accounting for Partnership Firms - 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.	- Reading and understanding the Concepts. Power point presentation Used for explanation . Showing partnership deed of firm to students... - Comprehension Check will be conducted by ❖ true/false ❖ MCQs ❖ short answer ❖ Numericals with concepts - At the end of the text Exercise - Brainstorming and Discussions with an example related to current affairs... - Through connection of previous knowledge with	After going through this Unit, the students will be able to: - state the meaning of partnership, partnership firm and partnership deed. - describe the characteristic features of partnership and the contents of partnership deed. - discuss the significance of provision of Partnership Act in the absence of partnership	17
June	- Past adjustments (relating to interest on capital, interest on drawing, salary and profit sharing ratio). - Goodwill: nature, factors affecting	current knowledge introduction to the topic - Exercises using clues - Worksheets to enhance the knowledge - The teacher would explain what a partnership firm and its accounting.	deed. differentiate between fixed and fluctuating capital, outline the process and develop the understanding and skill of preparation of	10
July	and methods of valuation - average profit, superprofit and capitalization. Goodwill to be adjusted through partners' capital/current account. Accounting for Partnership firms –	- The teacher would discuss in detail what a partnership deed contents. - The teacher would explain what a P/L appropriation A/c and partners' capital A/c and its concepts with numerical.	Profit and Loss Appropriation Account. develop the understanding and skill of preparation profit and loss appropriation	26

	Reconstitution and Dissolution. Change in the Profit Sharing Ratio among the existing partners - sacrificing ratio, gaining ratio, accounting for revaluation of	The teacher would explain what a concepts of minimum profit guarantee and past adjustments with numerical. Power point presentation Used for explanation .	account involving guarantee of profits. develop the understanding and skill of making past adjustments.	
August	assets and reassessment of liabilities and treatment of reserves and accumulated profits. Preparation of revaluation account	Showing partnership deed of firm to students... - Comprehension Check will be conducted by ❖ true/false ❖ MCQs ❖ short answer	state the meaning, nature and factors affecting goodwill develop the understanding and skill of	23
September	and balance sheet. Admission of a partner - effect of admission of a partner on change in the profit sharing ratio, treatment of goodwill, treatment for revaluation of assets and re-assessment of liabilities, treatment of reserves	❖ Numericals with concepts - At the end of the text Exercise questions will be attempted by the learners. - Brainstorming and Discussions with an example related to current affairs... - Through connection of previous knowledge with current knowledge introduction to the topic	valuation of goodwill using different methods. state the meaning of sacrificing ratio, gaining ratio and the change in profit sharing ratio among existing partners. develop the understanding of accounting	12
MID TERM EXAM	and accumulated profits, adjustment of capital	Exercises using clues	treatment of revaluation assets and	
October	accounts and preparation of balance sheet. Retirement and death of a partner: effect of retirement / death of a partner on change in Retirement and death of a partner: profit sharing ratio, treatment of goodwill, treatment for	- Worksheets to enhance the knowledge - The teacher would explain Retirement of partner in partnership firm and its accounting. ❖ Numericals with concepts Power point presentation Used for explanation . ❖ Numericals with concepts - Through connection	reassessment of liabilities and treatment of reserves and accumulated profits by preparing revaluation account and balance sheet. explain the effect of change in profit sharing	15

	revaluation of assets reassessment of liabilities, adjustment of	of previous knowledge with current knowledge introduction to the	ratio on admission of a new partner.	
November	accumulated profits and reserves, adjustment of capital accounts and preparation of balance sheet. Preparation of loan account of the retiring partner. 📌 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 📌 Dissolution of a partnership firm: 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)). Unit-3 Accounting for Companies	topic • Exercises using clues • Power point presentation Used for explanation . • Brainstorming and Discussions with an example related to current affairs... • Through connection of previous knowledge with current knowledge introduction to the topic • ❖ MCQs • ❖ short answer • ❖ Numericals with concepts MID TERM EXAM • Power point presentation Used for explanation . • Brainstorming and Discussions with an example related to current affairs... • Through connection of previous knowledge with current knowledge introduction to thetopic • ❖ MCQs • ❖ short answer • ❖ Numerical with concepts	develop the understanding and skill of 📌 explain the effect of retirement / death of a partner on change in profit sharing ratio. 📌 develop the understanding of accounting treatment of goodwill, revaluation of assets and re-assessment of liabilities and adjustment of accumulated profits and reserves on retirement / death of a partner and capital adjustment. 📌 develop the skill of calculation of deceased partner's share till the time of his death and prepare deceased partner's executor's account. 📌 discuss the preparation of the capital accounts of the remaining partners and the balance sheet of the firm after retirement / death of a partnER	22

	Accounting for Share Capital ■ 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). ■ Accounting treatment of forfeiture and reissue of shares. ■ Disclosure of share capital in the Balance Sheet of a company. Part B: Financial Statement Analysis Financial statements of a Company: Statement of Profit and Loss and Balance Sheet in prescribed form with	● At the end of the text Exercise questions will be attempted by the learners. ● Brainstorming and Discussions with an example related to current affairs... ● Exercises using clues ● Worksheets to enhance the knowledge ● Power point presentation Used for explanation . ● ❖ MCQs ● ❖ short answer ● ❖ Numerical with concepts ● Power point presentation Used for explanation . ● Brainstorming and Discussions with an example related to current affairs... ● Through connection of previous knowledge with current knowledge introduction to the topic ● ❖ MCQs ● ❖ short answer ● ❖ Numerical with concepts	■ understand the situations under which a partnership firm can be dissolved. ■ develop the understanding of preparation of realization account and other related accounts. After going through this (SHARECAPITAL) Unit, the students will be able to: ■ state the meaning of share and share capital and differentiate between equity shares and preference shares and different types of share capital. ■ understand the meaning of private placement of shares and Employee Stock Option Plan. ■ explain the accounting treatment of share capital transactions regarding issue of shares. develop the understanding of accounting treatment of forfeiture and re-issue of	
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December /January	major headings and subheadings (as per Schedule III to the Companies Act,(2013) 📌 Financial Statement Analysis: Objectives, importance and limitations. 📌 Tools for Financial Statement Analysis:Comparative statements, common statements, cash flow analysis, ratio analysis. Tools for Financial Statement Analysis: Comparative statements, common size statements, cash flow analysis, ratio analysis. 📌 Accounting Ratios: Meaning, Objectives, classification and computation. 📌 Liquidity Ratios: Current ratio and Quick ratio. 📌 Solvency Ratios: Debt to Equity Ratio, Total Asset to Debt Ratio, Proprietary Ratio and Interest Coverage Ratio. 📌 Activity Ratios: Inventory Turnover Ratio, Trade Receivables Turnover Ratio, Trade Payables Turnover Ratio and Working Capital Turnover Ratio. 📌 Profitability Ratios: Gross Profit Ratio,	● Power point presentation Used for explanation . ● Brainstorming and Discussions with an example related to current affairs... ● Through connection of previous knowledge with current knowledge introduction to the topic ● ❖ MCQs ● ❖ short answer ● ❖ Numerical with concepts	forfeited shares. 📌 describe the presentation of share capital in the balance sheet of the company as per schedule III part I of the Companies Act 2013. After going through this (FINANCIAL STATEMENTS ANALYSIS) Unit, the students will be able to: 📌 develop the understanding of major headings and sub-headings (as per Schedule III to the Companies Act, 2013) of balance sheet as per the prescribed norms / formats. 📌 state the meaning, objectives and limitations of financial statement analysis. 📌 discuss the meaning of different tools of 'financial statements analysis'.	
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	Operating Ratio, Operating Profit Ratio, Net Profit Ratio and Return on Investment. Unit 5: Cash Flow Statement Meaning, objectives and preparation (as per AS 3 (Revised) (Indirect Method only) Note: <i>(i) Adjustments relating to depreciation and amortization, profit or loss on sale of assets including investments, dividend (both final and interim) and tax.</i> <i>(ii) Bank overdraft and cash credit to be treated as short term borrowings.</i> <i>(iii) Current Investments to be taken as Marketable securities unless otherwise specified.</i> Accounting for Debentures ■ Debentures: 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		■ develop the understanding and skill of preparation of comparative and common size financial statements. state the meaning, objectives and significance of different types of ratios. ■ develop the understanding of computation of current ratio and quick ratio. ■ develop the skill of computation of debt equity ratio, total asset to debt ratio, proprietary ratio and interest coverage ratio. develop the skill of computation of inventory turnover ratio, trade receivables and trade payables ratio and working capital turnover ratio. ■ develop the skill of computation of gross profit ratio, operating ratio, operating profit	
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	redemption; debentures as collateral security concept, interest on debentures. Writing off discount / loss on issue of debentures. Project work. <i>Revisions for Final Pre Board exam.</i> <i>Revision for Board Exam.</i> <i>Revisions for Final Pre Board exam.</i> <i>Revision for Board Exam</i>		ratio, net profit ratio and return on investment.After going through this (CASH FLOW STATEMENT) Unit, the students will be able to: ■ state the meaning and objectives of cash flowstatement. ■ develop the understanding of preparation ofCash Flow Statement using indirect method as per AS 3 with given adjustments.explain the accounting treatment of different categories of transactions related to issue of debentures. ■ develop the understanding and skill of writing of discount / loss on issue of debentures. ■ understand the concept of collateral securityand its presentation in balance sheet. ■ develop the skill of calculating interest on debentures and its accounting treatment. ■ state the meaning of redemption of debentures. ■ develop the understanding of accountingtreatment of	
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			transactions related toredeemption of debentures by lump sum, draw of lots and Creation of Debenture Redemption Reserve.	
February	Annual Exam-2026-27			

WEB APPLICATION

Month	Name of the Topic	THEORY	Learning Outcomes	Working Days
March/ A	UNIT-1 Movie Editing Tools:	-: Familiarization of Interface Components. -: Importing Pictures -: Importing Audio and Video Files. -: Splitting and Joining Movie Clips. -: Adding Titles and publishing	-: Understand the concept of Movie Editing Tool -: Get familiarize with multiple Movie Editing Tools -: Get depth knowledge of window movie maker tool -:Get familiarize with Interface Components -: Can perform splitting and combining of various Clips -: Can add titles and publish movie in Window Movie Maker	17

June	UNIT-2 Customizing and Embedding Multimedia components in Web Pages:	-: Compatible Multimedia file formats for Web Pages -: Embedding Audio file.	-: Understand the definition of Multimedia and what it means to use it. Its format. -: Discover the kinds of media used in multimedia and understand how to combine them. Learn about formats of Multimedia.	10
JULY	UNIT-2 Customizing and Embedding Multimedia components in Web Pages:	-: Embedding Video file. -: Embedding Flash file.	- -: Describe the different methods of defining images, video and flash on Web pages.	26
Aug	UNIT- 3 Web Scripting – JavaScript:	-: Java Script review. -: Functions -user defined. -: String Object. –	-: Summarize variable naming rules and JavaScript data types. -: Identify expressions and operators.	23

Sep	UNIT- 3 Web Scripting – JavaScript	-: Math Object. -: Array Object. -: Events -: Case Studies.	-: Summarize flow control. -: Demonstrate objects and arrays usage. -: Define functions and methods. -: Define constructors and inheritance. -: Demonstrate usage of pattern matching with regular expressions.	12
OCT	UNIT-4 Work Integrated Learning IT – WA-II:	-: Advanced Features of Web Design. -: Code view*, Add-ins / Snippets and Page Transitions* -: Dynamic Web templates -: – SEO - Search Engine Optimization. -: Forms - Advanced. -: Publishing web pages or Websites-I	-: Analyse, evaluate and design responsive web layouts for touch screen and mobile devices -: Implement mobile functionality for web applications	15
Nov	UNIT-4 Work Integrated Learning IT – WA-II	-: Publishing web pages or websites-II.– -: Authoring tools.– CSS templates.–	-: Design and develop dynamic WebPages using animation and visual effects	22

Dec	FIRST PRE BOARD
Jan	SECOND PRE BOARD
Feb	BOARD EXAM-2026-27

PAINTING

MONTH	TOPIC	METHODOLOGY/ ACTIVITIES	LEARNING OUTCOMES	WORKING DAYS
MARCH	Shadang, UNIT-1 1.1 The Manuscript painting	Still life,2D	Listen attentively. The origin of manuscript paintings of India especially western India make able that how the plastic art of India transformed to palm leaf, clothes etc. Respect, appreciate and demonstrate	07

	tradition		an open mind towards the artistic expression of others.	
APRIL	2.1 The Rajasthani and Pahari School of Painting	2D,3D	Able to know about one of The most ancient civilization as well as their artistic aspects and technology too Able to Differentiate 2D and 3 D. ,as well as execution of live subject drawing.	10
JUNE	<u>UNIT 2</u> 2.1 The Mughal school of Miniature Painting	Practical in Still life and Nature study	Will Learn about the impact of socio religious beliefs on art and politics which changed the subjects time to time. How the heritages still gives direction to our life till date. Appears enthusiastic and willing to study artistic expressions from other cultures or regions of the world that are very different from own. Practical: Control on handling of pencil and hand, understanding space and harmony Increase in observation as well as emphasis on Perspective	10
JULY	2.2 The Deccan school of Miniature Painting	Portrait	Will Learn about the impact of socio religious beliefs on art and politics which changed the subjects time to time in Deccan. How the heritages still gives direction to our life till date.	26
AUGUST	<u>UNIT 3</u> 3.1 The Bengal school of Painting	Human Anatomy	Learn about the revolution which changed the execution and idea of art and started a renaissance in art in India .Be resourceful and organize information effectively. Accept different forms and styles and tries to explore their meaning. Practical: Measurements and Perspective of human Anatomy Human composition Color scheme in collage make help to capture composition in texture	23
SEPTEMBER	3.2 National Flag of India & its evolution.	Landscape and painting composition	Know about evolution of Indian flag and its meaning and how the elements took place in it Able to make live landscape as well as compose with human and animal	12
OCTOBER	3.3 Modern Indian Trends in Indian Art(Painting)	Imaginary Composition	Learn about painting of famous painters in visual art their forms and technique Be ready to research and transfer his/her learning to his / her own art	15

NOVEMBER	3.3 Modern Indian Trends in Indian Art(Sculpture)(Print making)	COMPOSITION	Learn about famous Indian sculptors and printmakerstheir work and technique in Be ready to research and transfer his/her learning to his / her own art Practical: to learn different techniques including plastic medium like clay and cement in Fresco and fabric medium in tie and dye	22
DECEMBER	Revision for Pre- Board Exam			

VOCAL MUSIC

MONTH	TOPIC	METHODOLOGY/ACTIVITY	LEARNING OUTCOMES	WORKING DAYS
April	Alankar, Varan, jhaptaal , life sketch Bade Gulam Ali khan Raga Bageshree	Alankar different taal and varan Introduction of jhaptaal&RaagBageshree	Theory - definition of Alankar ,varanJhaptaal Practical - Notation of drutkhyal with taanalaap	17
June	Time theory of raga, SangeetRatnakar, Origin of development of Tanpura VilambitKhyal	Ancient Era Medieval Era modern Era, SangeetRatnakar VilambitKhyal with TaanAlaap	Theory -i-mixing of Tanpura& development of Tanpura ii-Musical material in(Granth) SangeetRatnakar Practical - Vilambitkhyal notation&taanalaap	10
July	Alaap ,Taan, life sketch of Faiyaz Khan Roopaktala	Definition of Alaap, taan, Definition and notation of Roopaktala , Contribution of Faiyaz Khan and Tarana	Theory -i-Definition of AlaapTaan i- Roopaktalanotation	26

	Tarana		Egun, dugunTigun and chaugun (claping) Practical - TaranaNotetion Stage performance	
August	Kan, meend Identification of Raga from phrases Raga Bherav	Definition of Kan , Meend Swarsamuh of Raga Bageshree& Raga Bherav	Theory - Definition of Kan, Meend Practical - Raga BheravNotetion , Taan , Alaap Some phrases of Raga Bageshree&Bhairavi	23
September	Khatka, Murki SangeetParijat folk Song & Devotional song	Definition of KhatkaMurki SangeetParijat(Granth) Devotional songs	Theory - Sharangdev consider the different between sonat note, shruti,gram , consists of tala etc. in the Granth of Sangeet Parajat Practical -Notation of songs	10
October	Gamak, Gram, Life sketch of Krishna Rao Shankar PanditDhamartala Raga Malkauns and Dhamar	Definition of Gamak Gram , Contribution of Krishna Rao Shankar Notation of Dhamartala Raga MalkaunsDrutKhyal and Dhamar	Theory - Dhamartala notation (ekgun dugun Tigun and chaugun), Definition and	15

			consideration in music Krishna Rao Shankar Practical -Raga Malkauns Drutkhyal, and Dhamar	
November	Murchhana, Thaata Dadra tala Shuddhsarang	Definition of MurchhanaThaata, Dadra Talanotation (egundugunTigun and chaugun) Raga Shuddhsarangdrutkhyal Identification of Raga phrases of swarRagaMalkauns and Shuddhsarang	Theory -MurchhanaThaata Practical - Notation of drutkhyal with TaanAlaap Practice of Theory and practical.	22
DECEMBER	First Preboard Exam			
JANUARY	Second Preboard Exam			
FEBRUARY/ MARCH	Board exam 2026-27			

BHARAT NATYAM DANCE:

MONTH	TOPIC	METHODOLOGY/ACTIVITIES	LEARNING OUTCOMES	WORKING DAYS
March/April	Revision of all the Bhedas.	Revision of all the advas.	Practical - advas and bhedas.	17
June	Acquaintance with life history of the chief exponents and contributors	Jatiswaram in Rupaktaal.	Practical and theory	10

	of the past of the Dance form. (Rukmini Devi Arundale, Balasraswati, Meenakshi Sundaram Pillai, Tanjore quartette)			
July	Acquaintance with the contents of the Abhinaya Darpana. (The chapters and the aspects of dance dealt within them).	Padam on Krishna or Keertanam on Shiva/Krishna/Vinayaka/Rama.	Practical and theory.	26
August	Knowledge of the following terms: (i) Nritya, Nritya, Natya (Sanskrit slokas from the Abhinaya Darpana and basic definition) Tandava (7 tandavas with detailed stories) Lasya, Lokadharmi, Natyadharmi (Definitions with example) (ii) Sthana, Chari, Mandala, Bharmari, Utplavana (Slokas and meaning from Abhinaya Darpana)	Tillana in adi Talam.	Practical and theory	23
September	(iii) Abhinaya (Angika, Vachika, Satvika, Aharya-slokas from the Abhinaya Darpana along with the meaning) (iv) Sangeeta, Tala, Laya (Definition of the term, seven talams,	Ability to repeat the adavu* syllables in Rupaka and Tripata Talas, knowledge of the Saptatalas with hasta kriya (taalanga and sign)		10

	three layams) (v) Rasa (names of the nine rasas and their English meanings)			
October	Knowledge of the technical terminology of the particular Dance form (any one to be studied in accordance with the Dance style offered)- (a) Definitions of the following: araimandi, muzhumandi, kuttanam, korvai, karvai, adavu, shollu, aradhi, theerumanam, jati, jaati, gati, avartana, yati, taalanga, thattukazhi, nattuvangam, arangetram)	Hasta-Viniyoga of 14 Asamyuta (upto Chandrakala hasta) and 12 Samyuta, Hastas (Upto Chakra hasta) and all, Deva Hastas (all Abhinaya Darpanam).	Alariputishra ekam	15
November	Acquaintance with the traditional costumes, make up of the Dance style opted.	Knowledge of the Pada, Bhedas, Mandalas, Bhramaris and Utpalvanas occurring in the items learnt (Abhinaya Darpanam) Basic knowledge of Carnatic Music-format of the raga system-the 72 melakartaragams and the music of the items learnt.	Practice of theory & practical. Practice of Theory and practical.	22
December	First Pre- Board Exam			

January	Second Pre- Board Exam
February	Board Exam-2026-27

LEGAL STUDIES:-

MONTH	TOPIC	METHODOLOGY/ACTIVITIES	LEARNING OUTCOMES	WORKING DAYS
June	Unit 1 Judiciary Contents: a. Structure of hierarchy of courts and legal officers in India constitution, roles and impartiality	Lecture method Explanatory method Group discussion	Students will be able to understand the following concepts: Common law, Adversarial system of Law, due process of law, public interest litigation.	10
July	Unit 1 Judiciary Contents: b. Appointments, trainings, retirement, and removal of judges. c. Quotes and judicial review. Unit 2 Alternative dispute resolution in India	Lecture method Explanatory method Group discussion Lecture method Explanatory method Group discussion Lecture method	Students will be able to understand the following concepts: Impartiality of judges, judicial review, separation of powers, division of powers, checks and balances, basic structure, collegium system in appointment of judges, impeachment. Students will be able to understand the following concepts: Alternative dispute resolution, arbitration agreement, arbitral award, enforcement of arbitral award, facilitative mediation conciliation and Administrative tribunal.	26

	Unit 3 Topic in law-I Business laws Content: a. Law of contract b law of torts c. Law of property d. Intellectual property law	Explanatory method Group discussion	Students will be able to understand the following concepts: Agreement ,contract offer,acceptance,consideration ,capacity, major, consentand unlawful agreement major, contingent contract ,discharge breach ,damages. Kinds of wrong ful acts, intentional tort, strictliability, purpose of tort law, property ,movable property, immovable property, persons competent to transfer, essentials for valid transfer, doctrine of election, lease exchange, gift.	
August	Unit 4 Topics of law II General laws Content: a.Law and sustainable development. b. Forms of legal entities. c. Criminal laws in India.	Lecture method Explanatory method Group discussion	Students will be able to understand the following concepts: Understand Legal Frameworks, Apply Sustainable Principles, Promoting sustainability and suggest improvements. Apply ethical principles in sustainability-related legal practice. Understand the fundamental principles and key provisions of criminal law in India. Legal Definitions: Define and classify various types of crimes and understand their legal elements. Knowledge of Legal Structures, Formation and Compliance, Governance and Liabilities Criminal Justice System: Comprehend the structure and functioning of the criminal justice	23

			system, including roles of key institutions, Rights and Safeguards	
September	Revision for Mid Term exam			
October	Unit 5 Concept of human rights Content: a. Human rights in India. b. Human Rights violation. c. Complaint mechanism(Quasi judicial bodies).	Lecture method Explanatory method Group discussion	Students will be able to understand the following concept: Meaning of human rights, human Rights as a criminal, protection of minorities from the domination of the majority, moral demand to resolve the various kinds of Justice through human rights, human rights as a tool for sloganeering and disruptions.	15
November	Unit 6 International law. Unit 7 Legal professions in India. Unit 8 Legal services	Lecture method Explanatory method Group discussion Case study Lecture method Explanatory method Debate Group discussion Lecture method Explanatory method Group discussion	Students will be able to understand the concept of: International law, history and meaning, public international law, private international law. Students will be able to understand the concept of: History of the legal professions in India, classification of lawyers with the roles and functions, The Bar Council of India, opportunities for long graduates. Students will get familiar with Brief history of legal services, legal background, the Indian legal system, free Legal aid under criminal law, Legal aid by the Indian constitution and the	22

			state. Nalsa regulation 2010, hierarchy of legal aid service authorities.	
December	First Pre- Board Exam			
January	Second Pre- Board Exam			
February	Board Exam- 2026-27			

APPLIED MATHS

Month	Unit & Topic	Key Concepts / Content Pointers	Methodology / Activities (Pointers)	Learning Outcomes (Pointers)	No. of working days
March – April 2026	Unit 1: Numbers, Quantification and Numerical Applications	• Modulo Arithmetic • Congruence Modulo • Euler Totient Function $\phi(n)$ • Divisor Sum Function $\sigma(n)$ • Allegation & Mixture • Boats & Streams • Pipes & Cisterns • Races & Games	• Demonstration of modular arithmetic rules • Problem-solving worksheets • Real-life mixture and pricing activities • Speed–time calculations using case studies • Group discussions and quizzes	Students will be able to: • Define modulus and congruence • Perform arithmetic operations under modulo • Apply arithmetic functions to given numbers • Solve mixture problems using allegation • Analyze speed, work, and race-related situations	12

June 2026	Unit 1 (Continued) + Numerical Inequalities + Unit 8: Linear Programming	• Linear Inequalities • Graphical Representation of Constraints • Feasible Region • Corner Point Method • Optimization Problems • Real-Life Applications of LPP	• Graph plotting activities • Case studies on production and diet problems • Classroom discussions • Worksheet-based practice • ICT-enabled demonstrations	Students will be able to: • Solve numerical inequalities • Formulate Linear Programming Problems (LPPs) • Identify feasible and infeasible regions • Determine optimal solutions graphically • Interpret practical optimization situations	14
June 2026	Unit 2: Algebra – Matrices and Determinants	• Matrix Notation and Order • Types of Matrices • Matrix Operations • Scalar Multiplication • Symmetric Matrices • Skew-Symmetric Matrices	• Matrix formation from data tables • Hands-on practice exercises • Collaborative problem solving • ICT-based demonstrations	Students will be able to: • Identify different types of matrices • Find order of matrices • Perform matrix operations • Apply scalar multiplication • Express matrices as symmetric and skew-symmetric components	
July 2026	Unit 2: Determinants + Unit 6: Time Based Data	• Determinants • Properties of Determinants • Inverse of Matrix • Elementary Row Operations • Cramer's Rule • Time Series • Secular Trend • Seasonal Variation	• Numerical practice sessions • Data interpretation activities • Case studies on time-series data • Graphical representation exercises	Students will be able to: • Evaluate determinants • Find inverse of matrices • Solve simultaneous equations • Analyze time-series data • Distinguish trend and seasonal components	21

August 2026	Unit 7: Financial Mathematics	• Perpetuity • Sinking Fund • EMI Calculations • Returns on Investment • Nominal Rate of Return • CAGR • Depreciation (Linear Method)	• Financial planning activities • EMI calculator demonstrations • Investment case studies • Spreadsheet-based calculations	Students will be able to: • Calculate perpetuity and EMI • Compare savings and sinking funds • Compute CAGR • Interpret investment returns • Calculate depreciation of assets	21
September 2026	Unit 5: Inferential Statistics	• Population and Sample • Parameter and Statistic • Sampling Techniques • Central Limit Theorem • Hypothesis Testing • One-Sample t-Test • Two-Sample t-Test	• Data collection projects • Statistical investigations • Hypothesis-testing activities • Interpretation of real datasets	Students will be able to: • Differentiate population and sample • Select representative samples • Understand CLT conceptually • Frame null and alternate hypotheses • Conduct and interpret t-tests	24
October 2026	Unit 4: Probability + Unit 3: Calculus (Differentiation)	• Random Variables • Mathematical Expectation • Variance & Standard Deviation • Binomial Distribution • Poisson Distribution • Normal Distribution • Higher Order Derivatives • Rate of Change	• Probability experiments • Distribution-based examples • Derivative problem-solving sessions • Graph interpretation activities	Students will be able to: • Compute expectation and variance • Apply probability distributions • Differentiate functions accurately • Solve rate-of-change problems • Interpret graphical behavior of functions	16

November 2026	Unit 3: Applications of Derivatives, Integrals and Differential Equations	• Increasing and Decreasing Functions • Maxima and Minima • Indefinite Integrals • Definite Integrals • Area Under Curves • Consumer Surplus • Producer Surplus • Growth and Decay Models • Differential Equations	• Graphical analysis • Application-based problem solving • Mathematical modelling activities • Practice worksheets and assignments	Students will be able to: • Solve optimization problems • Evaluate integrals using standard techniques • Apply integrals to economics problems • Model growth and decay situations • Solve basic differential equations	23
December 2026	Pre-Board Examination	• Complete Syllabus Revision • Practice Papers • Mock Tests • Error Analysis	• Revision sessions • Sample paper discussions • Doubt-solving classes • Performance feedback	Students will be able to: • Consolidate concepts from all units • Improve examination readiness • Identify and rectify weak areas	
February 2027	Board Examination	• Entire Applied Mathematics Syllabus	• Final assessments conducted by the board		