Class- XI (Commerce)
Syllabus for the Session 2024-25
English Core

	Months	Content	Learning Outcomes
Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	The Portrait of a Lady (Hornbill)	• To learn new words and phrases enriching vocabulary. • To develop respect for the grandparents and strengthen grandchild and grandparent relationship.
		Poem- A Photograph (Poem)	• To encourage the students to appreciate the poetry and students would be able to find out poetic devices used in the poem. • They would be able to draw a comparative study between human life and nature.
		The Summer of the Beautiful White Horse (Snapshots)	• To facilitate an attitude to become honest and trustworthy in thought and action, responsible cooperative, understanding and tolerance. • Students would be able to comprehend the irony hidden in the story.
		Advertisement Writing, Note Making, Integrated Grammar	• To develop skill of note making and finding key words in the given passage. • Students will be able to make notes of the given text.
	June	Speech Writing	• To develop writing skills. • To enable the students to write speech with a proper format.
		SUMMER BREAK	
	July	We are not Afraid to Die (Prose)	• The students would be able to enjoy the text and appreciate the style of writing. • They would be able to inculcate the values of determination and will power
		The Laburnum Top (Poem)	• To develop aesthetic sense amongst students and appreciate poetic devices used by the poet. • To interpret the poem by relating the theme to the present-day context and respecting Mother Nature.
	August	**PERIODIC TEST-I**	
		Discovering Tut (Prose)	• To understand, enjoy and appreciate a factual text, understand the meaning and usage of phrases used in the text. • To appreciate the rich and mysterious history of the royal kings.
		Poem- Voice of the Rain	• To develop aesthetic sense amongst students and appreciate poetic devices used by the poet. • To interpret the poem by relating the theme to the present-day context and respecting Mother Nature.
		Poem-The Childhood	• To develop aesthetic sense amongst students and appreciate poetic devices used by the poet. • To be able to differentiate between innocence and maturity.

		The Adventure (Hornbill)	• To introduce the students to the genre of science fiction. • To facilitate the students in making connections between similar situations in different storylines/life experiences.
		*Integrated Grammar	• To understand correct usage of grammar. • To be able to comprehend and use grammatical organization for quantifying and sentence completion.
		Debate Writing	• To be able to frame speech & debate. • To learn how to defend and put arguments for the given topic.
	September		**REVISION & TERM-I EXAMINATION**
TERM-II	**October & November**	Mother's Day (Snapshots)	• Imbibe values like care and concern, empathy, compassion, respect for elders, belongingness and tolerance. • Understand the struggles and sacrifices of parents and to draw inspiration from them.
		Silk Road (Hornbill)	• To develop students' interest in religious places and importance of Mount Kailash & Kora. • To identify the important of the Silk Road and how it came into existence.
		Poem- Father to Son (Hornbill)	• To develop students' interest in poetry and find out the poetic devices. • To cultivate interest and appreciate poetry and develop the ability of reading with proper stress and intonation.
		Letter Writing (Business letters)	• To be able to write general letters. • To exchange the ideas and opinions.
		Poster Writing	• To express ideas aesthetically and relevantly with definition in purpose, expressions, grammar usage, format usage, relevant vocabulary. • To be able to create effective poster.
	December		**PERIODIC TEST-II**
	January		**WINTER BREAK**
		Birth (Snapshots)	• To be able to enjoy literature and know about the various challenges faced in medical profession.
		Poem- The Tale of Melon City (Snapshots)	• To develop students' interest in poetry and find out the poetic devices. • To inculcate values like social connection, trust, co-operation, confidence, faith, respect and integrity, ability to fight against all odds.
	February & March		**REVISION, PRACTICALS & TERM-II EXAMINATION**

Accountancy

Book Prescribed: DK Goel			
	Months	**Content**	**Learning Outcomes**
TERM- I	**May**	Ch- Meaning, Objectives, Scope and Nature of Accounting	The students will be able to • describe the meaning, significance, objectives, advantages and limitations of accounting in the modern economic environment with varied types of business and non-business economic entities. • identify the individuals and entities that use accounting information for decision making.
		Ch- Basic Accounting Terms	The students will be able to • understand various terms used in accounting and differentiate between different related terms like current and non-current assets and liabilities, capital and revenue. • give examples of terms like business transaction, liabilities, assets, expenditure and purchases. differentiate among income, profits and gains. • learn that sales/purchase include both cash and credit sales/purchases relating to accounting year.
		Ch-Accounting Principles, Fundamental Accounting Assumptions	The students will be able to • elaborate the fundamental accounting assumptions and the situation in which an assumption is applied during the accounting process. • understand various accounting principles to be applied in accounting.
		Ch- Bases of Accounting	The students will be able to • understand the bases of recording accounting transaction and to appreciate that accrual bases is better to depict financial position of an enterprise.
		Ch- Accounting Equation	The students will be able to: • understand the concept of accounting equation and explain the effect of a transaction on the assets, liabilities, capital, revenue and expenses. • develop the skill of preparing accounting equation.
		Ch- Accounting Procedures - Rules of Debit and Credit	The students will be able to • learn classification of accounts.
		Ch - Origin of Transactions - Source Documents and Preparation of Vouchers	The students will be able to • learn preparation of source documents, accounting vouchers for recording transaction in the books of accounts.
	June	Ch - Book of Original Entry - Journal (without GST)	The students will be able to: • develop an understanding of recording of transactions in journal. • understand the fact that recording of accounting transactions follows double entry system.
		SUMMER VACATIONS	
	July	Ch - Book of Original Entry - Journal (without GST)	The students will be able to: • develop an understanding of recording of transactions in journal.
		Ch- Accounting Standards & International Financial Reporting Standards (IFRS)	The students will be able to: • define and understand the meaning, applicability, objectives, advantages and limitations of accounting standards. • appreciate that accounting standards developed nationally and globally are in practice to bring balance in accounting treatment of different items.

		Ch - Book of Original Entry - Journal (with GST)	The students will be able to: • explain the meaning, concept, advantages and accounting treatment of GST. • develop the skill of recording journal entries involving GST transactions.
		PERIODIC TEST-I	
		Ch - Ledger	The students will be able to: • develop the skill of ledger posting after ascertaining the position of individual accounts.
	August	Ch - Special Purpose Books I - Cash Book	The students will be able to: • understand the purpose of maintaining a Cash Book and develop the skill of preparing the format of different types of cash books and the method of recording cash transactions in Cash book. • understand the purpose of preparing petty cash book under different methods.
		Ch - Special Purpose Books II - Other Books	The students will be able to: • describe the method of recording transactions other than cash transactions as per their nature in different subsidiary books.
		Ch - Trial Balance	The students will be able to: • state the need & objectives of preparing trial balance and develop the skill of preparing trial balance. • learn that errors may be committed during the process of accounting. • understand the meaning of different types of errors and their effect on trial balance.
	September	**REVISION & TERM-I EXAMINATION**	
	October & November	Ch - Rectification of Errors	The students will be able to: • develop the skill of identification and location of errors and their rectification and preparation of suspense account.
		Ch - Bank Reconciliation Statement	The students will be able to: • develop an understanding of preparing bank reconciliation statement. • develop skill of preparing bank reconciliation statement.
		Ch - Depreciation, Provisions and Reserves	The students will be able to: • develop understanding of methods of charging depreciation and develop the skill of using different methods for computing depreciation. • understand the need for creating reserves and also making provisions for events which may belong to current year but may happen in next year. • understand the difference between reserve and reserve fund.
		Ch - Financial Statements of Sole Proprietorship (without adjustments)	The students will be able to: • state the meaning and purpose of preparing financial statements. • develop an understanding of preparing trading, profit and loss account and balance sheet of a sole proprietorship firm. • understand the technique of grouping and marshalling of assets and liabilities.
	December	Ch-Financial Statements of Sole Proprietorship (with adjustments)	The students will be able to: • develop an understanding and skill to do adjustments for items and their presentation in financial statements like depreciation, closing stock, provisions, abnormal loss etc.
		PERIODIC TEST-II	
		WINTER BREAK	
	January	Ch-Accounts from Incomplete Records - Single Entry System	The students will be able to: • develop an understanding of how to make statement of affairs using Single Entry System.
	February & March	**REVISION, PRACTICALS & TERM-II EXAMINATION**	

Business Studies

		Book Prescribed: NCERT	
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	**Part (A) Foundations of Business** Ch - Nature & Purpose of Business	The students will be able to: • acquaint with the history of trade & commerce in India. • understand the meaning and characteristics of business with reference to economic and non-economic activities. • understand and differentiate the concept of business, profession and employment. • understand the broad categories of business activities- industry and commerce and its various types. • learn the concept, nature and causes of risk as a special characteristic of business.
		Ch - Forms of Business Organizations	The students will be able to: • understand different forms of business organization. • identify and explain the concept, merits and limitations of Sole Proprietorship firm, Partnership firm, Hindu Undivided Family, Cooperative Societies and Joint Stock Companies. • state the types of partnership on the basis of duration and liability, need for registration of a partnership firm and discuss types of partners –active, sleeping, secret, nominal and partner by estoppel. • highlight the stages in the formation of a company & discuss the important documents used in the various stages in the formation of a company.
	June	Ch - Private, Public & Global Enterprises	The students will be able to: • develop an understanding of public sector and private sector enterprises. • identify and explain the features, merits and limitations of different forms of public sector enterprises. • develop an understanding of global enterprises, public private partnership (PPP) by studying their meaning and features.
		SUMMER VACATIONS	
	July	Ch - Business Services	The students will be able to: • understand the meaning and types of business services. • discuss the meaning of Banking Service and different types of bank accounts. • understand the concept of insurance and its principles like Utmost Good Faith, Insurable Interest, Indemnity, Contribution, Doctrine of Subrogation and Causa Proxima. • discuss the meaning of different types of insurance-life, health, fire, marine insurance. • understand the utility of different telecom services.
		PERIODIC TEST-I	
	August	Ch - Emerging Modes of Business	The students will be able to: • describe the meaning and scope of e-business. • appreciate the benefits of e- business and distinguish e-business from traditional business.
		Ch - Social Responsibilities of Business and Business Ethics	The students will be able to: • state the concept of social responsibilities and examine the case for and against social responsibility. • identify the social responsibility towards different interest groups. • appreciate role of business in environment protection. • describe the concept and elements of business ethics.
	September	**REVISION & TERM-I EXAMINATION**	

October & November		**Part (B) Finance and Trade** Ch - Sources of Business Finance	The students will be able to: • state the meaning, nature and importance of business finance. • classify the various sources of funds into owners' funds and borrowed funds. • State the meaning of owners' and borrowed funds and distinguish between owners' funds and borrowed funds. • discuss the concept of debentures, bonds, loans from financial institutions and commercial banks, trade credit and inter corporate deposits.
		Ch - Small Business Enterprises	The students will be able to: • discuss the role of small business of India. • appreciate the various Government schemes and agencies for development of small-scale industries. • Understand NSIC and DIC with special reference to rural, backward area.
		Ch - Internal Trade	The students will be able to: • explain the meaning and types of internal trade. appreciate the services of wholesalers and retailer • highlight the distinctive features of departmental stores, chain stores and mail order business. • understand the concept of GST
December		PERIODIC TEST-II	
		WINTER BREAK	
January		Ch - International Business	The students will be able to: • understand the concept and scope of international trade to the nation and business firms. • understand the meaning and objectives of import trade. • discuss the important steps involved in executing import trade. • understand various documents used in export & import procedure. • discuss the meaning & objectives of World Trade Organization in promoting International Trade.
February & March		REVISION, PRACTICALS & TERM-II EXAMINATION	

Economics

Book Prescribed: **1. Introductory Microeconomics, Radha Bahuguna** **2. Statistics for Economics, Radha Bahuguna**			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Ch- Introduction	• To understand the meaning of economics and economic problems. • To understand the central problems • To understand the concept of Production Possibility Curve
		Ch- Meaning, Scope and Importance of Statistics	• To understand how knowledge of statistics can help in understanding economics and economic activities. • To understand the importance of statistics and its demerits
		Ch- Consumer's Equilibrium	• To understand the meaning of consumer's • equilibrium is To distinguish between cardinal and ordinal utility. To apply the acquired knowledge to find equilibrium
	June	Ch- Collection of Data	• To understand the meaning and purpose of Collection, Organisation, Presentation of data To distinguish between primary and secondary data To explain census and sample method

			SUMMER VACATIONS
TERM-I	**July**	Ch- Demand	• To understand the meaning and factors affecting demand. • To explain the relationship between price and demand. • To make use of acquired knowledge in solving day to day problems.
			PERIODIC TEST- I
	August	Ch- Organisation of Data	• To know how to organise raw data into series. • To explain the different types of classification like textual, graphical etc • To explain the importance of organisation and its relevance in statistics
		Ch- Presentation of data	• To understand tabular presentation of data. To familiarise with various diagrammatic presentation of data like bar graph, pie chart, histogram etc
	September		**REVISION & TERM-I EXAMINATION**
TERM-II	**October & November**	Ch- Theory of supply	• To understand the meaning and factors affecting supply. • To enable the learners to use acquired knowledge in solving practical problems of elasticity of supply. • To explain the relationship between price and supply
		Ch- Theory of Cost and Revenue	• To understand different types of costs and their relationship. To know about different types of revenue.
		Ch- Measures of Central Tendency *Mean, Median, Mode	• To recognise and distinguish between different types of averages. • To enable students to calculate mean, median and mode through various methods depending upon the series studied • To draw meaningful conclusions from given data.
		Ch- Correlation	• To understand the meaning of degrees of correlation • To enable the learners to calculate different measures of correlation to analyse the degree and direction of correlation
	December		**PERIODIC TEST-II**
			WINTER BREAK
	January & February	Ch- Price Determination in Perfect Competition	• To help students understand the meaning of market and its various forms • To elaborate the features of perfect competition • To enable the learners to find market equilibrium in different conditions.
		Ch- Index Numbers	• To understand the meaning of Index No. To calculate Index numbers using various ways To elaborate the merits and demerits of Index Numbers • To explain the relationship between inflation and index numbers
	February & March		**REVISION, PRACTICALS & TERM-II EXAMINATION**

Political Science

Book Prescribed:			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Part-A Constitution: Why and How?	Students will be able to: • understand the meaning of Constitution and its functions. Students will learn about the constitution of various countries. They will come to know about the fundamental rights and its types.

		Part-A Rights In The Indian Constitution	Students will be able to: • learn the meaning and differences between fundamental rights, and Directive Principles.Students will come to know about the difference b/w fundamental rights and directive principles.
		Part-A Election and Representation.	Students will come to: • know about the role and independent body of election system in India. Students will learn the election process in India. They will be learning about the conduct of impartial election system in INDIA
		Part-B Political Theory	Students will be able to: • learn about the various Political Theories. They will learn about political thinkers and their contribution in political system.
		Part-B Liberty	Students will come to: • know about the Freedom of individual. They will come to know about the importance of freedom in society and country.
	June	Part B Equality	Students will be able to: • understand the concept of Equality and its types. Importance of equality in various societies. Human Rights and its importance in overall development.
		SUMMER VACATIONS	
	July	Part-B Equality	Students will be able to: • understand the concept of Equality and its types. Importance of equality in various societies. Human Rights and its importance in overall development.
		Part-B Legislature	Students will be able to: • understand the law making body in democratic countries. They will also come to know about the legislative functions of the government. How legislatures make the laws.
		Part-A Executive	Students will be able to: • come know about the role of Executive in democracy, They will come to know about the policy framework of the executive.
	August	**PERIODIC TEST- I**	
		Part-A Judiciary	Students will be able to: • understand about the third organ of the government. They will also come to know that how judiciary acts as a guardian of fundamental rights.
		Part-B Social Justice	Students will be able to: • learn about the various principles of social justice by John Rawls. • Advantages and limitations of Free market.
	September	**REVISION & TERM-I EXAMINATION**	
TERM-II	**October & November**	Part-A Federalism	• The students will understand the federal provisions in the Indian Constitution. • Issues involving relations between Centre and State.

		Part- A Local Government	• Students will know about importance, need and functions of local governments. • Significance of the 73rs & 74th Amendment.
		Part-B Rights	• Students will familiarize with the Meaning, definition, importance and various types of Rights.
		Part-B Citizenship	• To familiarize with the concept of citizenship, issues between refugees or illegal migrants and concept of global citizen citizenship.
		Part-B Nationalism	Students will come to: • know about the role of Nationalism and its importance. They will come to know about the feeling nationalism responsible for social awakening.
		Part- B Secularism	Students will be able to : • understand about the Secular State. They will also come to know about the role religion. They will also come to know about the freedom of religion, people have.
	December	**PERIODIC TEST-II**	
		Part- A Constitution: As A living document	Students will come to: • know about the importance of constitution as a living document and how does it affect the democracy and its functioning
	January	**WINTER BREAK**	
		Part- A The Philosophy of Indian Constitution	Students will be able to: • learn about the philosophy of Indian Constitution and its framework. Students will also come to know about the various constitution framework.
	February & March	**REVISION, PRACTICALS & TERM-II EXAMINATION**	

Mathematics (041)

Book Prescribed: NCERT				
	Months	**Content**	**Learning Outcomes**	
Term -I	**May**	Ch-Complex Numbers and Quadratic Equations	• To define need for complex numbers, especially$\sqrt{-1}$, to be motivated by inability to solve some of the quadratic equations. • Algebraic properties of complex numbers. Argand plane.	
		Ch- Sequences and Series	• The students will be able to know about Sequence and Series. Arithmetic Mean (A.M.), Geometric Progression (G.P.), general term of a G.P., sum of n terms of a G.P., infinite G.P. and its sum, geometric mean (G.M.), relation between A.M. and G.M.	

		Ch- Trigonometric Functions	• The students will be able to understand about positive and negative angles. Measuring angles in radians and in degrees and conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Truth of the identity $\sin^2 x + \cos^2 x = 1$, for all x. Signs of trigonometric functions. Domain and range of trigonometric functions and their graphs. Expressing $\sin(x\pm y)$ and $\cos(x\pm y)$ in terms of $\sin x$, $\sin y$, $\cos x$ & $\cos y$ and their simple applications.
	June		• To find domain and range of Trigonometric functions and their graphs. Simple applications.
			• Identities related to $\sin2x$, $\cos2x$, $\tan2x$, $\sin3x$, $\cos3x$ and $\tan3x$
		SUMMER BREAK	

	Month	Chapter	Objectives
		SUMMER BREAK	
	July	Ch- Straight Lines	• To learn brief recall of two-dimensional geometry from earlier classes. Slope of a line and angle between two lines.
			• Various forms of equations of a line: parallel to axis, point -slope form, slope-intercept form, two-point form, intercept form.
			• Distance of a point from a line.
		Ch- Statistics	• To find Measures of Dispersion: Range, Mean deviation, variance and standard deviation of ungrouped/grouped data.
		PERIODIC TEST-I	
	August	Ch- Limits & Derivatives	• Derivative introduced as rate of change both as that of distance function and geometrically.
			• Intuitive idea of limit. Limits of polynomials and rational functions trigonometric, exponential and logarithmic functions.
			• Definition of derivative relate it to scope of tangent of the curve, derivative of sum, difference, product and quotient of functions.
			• Derivatives of polynomial and trigonometric functions.
		Ch- Sets	• To define Sets and their representations, Empty set, Finite and Infinite sets, Equal sets, Subsets, Subsets of a set of real numbers especially intervals (with notations). Universal set.
			• To draw Venn diagrams. Union and Intersection of sets.
			• To explain Difference of sets. Complement of a set. Properties of Complement.
	September	**REVISION & TERM-I EXAMINATION**	
TERM-II	October & November	Ch- Relations and Functions	• To define Ordered pairs. Cartesian product of sets. Number of elements in the Cartesian product of two finite sets. Cartesian product of the set of reals with itself (upto R x R x R).
			• To define a relation, draw pictorial diagrams, domain, co-domain and range of a relation.
			• To define a Function as a special type of relation. Pictorial representation of a function, domain, co-domain and range of a function.
			• Real valued functions, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum, exponential, logarithmic and greatest integer functions, with their graphs. Sum, difference, product and quotients of functions.
		Ch- Permutations and Combinations	• To make them understand Fundamental principle of counting. Factorial n. (n!) Permutations and combinations,
			• Derivation of formulae for nPr and nCr and their connections, simple applications.
		Ch- Binomial Theorem	• To make them understand Historical perspective, statement and proof of the binomial theorem for positive integral indices. Pascal's triangle, simple applications.
		Ch- Probability	• To explain Events; occurrence of events, 'not', 'and' and 'or' events, exhaustive events, mutually exclusive events, Axiomatic

			(set theoretic) probability, connections with other theories of earlier classes. Probability of an event, probability of 'not', 'and' and 'or' events.
		Ch- Linear Inequalities	• To understand Linear inequalities. Algebraic solutions of linear inequalities in one variable and their representation on the number line. • To find Solution of linear inequalties graphically.
	December		**PERIODIC TEST-II**
			WINTER BREAK
	January	Ch- Conic Sections	• Sections of a cone: circles, ellipse, parabola, hyperbola, a point, a straight line and a pair of • Intersecting lines as a degenerated case of a conic section. Standard equations and simple • Properties of parabola, ellipse and hyperbola. Standard equation of a circle.
		Ch- Introduction to Three Dimensional Geometry.	Coordinate axes and coordinate planes in three dimensions. Coordinates of a point. Distance between two points.
	February & March		**REVISION, PRACTICALS & TERM-II EXAMINATION**

Computer Science

Book Prescribed			
Computer Science with Python (Sultan Chand Pub.)			
	Months	**Content**	**Learning Outcomes**
Term-1	**May**	Ch- Computer System Organization	• To learn the basic computer organisation. • To know about the types of software: System software, Operating System (OS), functions of the operating system, OS user interface and different types of applications.
		Ch - Data Representation and Boolean Logic	• To learn and practices of Boolean logic, truth tables and De Morgan's laws, Logic circuits. • To learn about the Number System and conversion between number systems Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)
		Practical of sequential programming.	• Students will do programs of sequential programming and learn evaluation of an expression accepting data as input from the console and displaying output.
	June	Ch- Getting Started with Python.	• Students will learn the basics of Python programming and problem solving approach, algorithm, Flowcharts etc.
	June		**SUMMER VACATION**
	July	Ch- Python Programming Fundamentals	• To learn about the data types, operators, tokens, bugging, debugging the program.
		Ch- Conditional and Looping Construct	• To learn and practices the conditional statements: if, if-else, if-elif-else
			PERIODIC TEST-I
	August	Ch- Conditional and Looping Construct	• To learn the Iterative Statement: for loop, while loop, break and continue. • Students will do programs of Control statement and Looping Statements.
	September		**REVISION & TERM-I EXAMINATION**
TERM-II	**October & November**	Ch – Strings in Python	• To learn about the strings in python, operations on string, traversing a string using loops, built-in functions
		Ch – List in Python	• To learn about the lists in python, indexing, operations and built-in functions of list.

		Ch –Tuples and Dictionary	• To learn about the tuples on python, operations, built-in functions/methods • To learn about the dictionary, accessing the dictionary using keys, built-in functions of the dictionary.
	December		**PERIODIC TEST-II**
			WINTER BREAK
	January	Ch –Introduction to Python Modules	• To learn the creation of modules, functions of python.
		Ch- Society , law & Ethics	• To learn the rules to use the social media, cybercrime and how to deal with the cybercrime. • To learn the IPR and related terms, violation of IPR. • To learn more about the open source and open data
		Ch- Cyber Safety	• To learn about the cyber crime, cyber safety and cyber forensics. • To learn about the malware, viruses, Trojans, adware, E-waste management: • IT Act for cyber crime, technology and society.
	February & March		**REVISION, PRACTICALS & TERM-II EXAMINATION**

Physical Education

Book Prescribed: SP Book			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Ch- (Changing Trends & Career in Physical Education)	• Students will come to know about career options in physical education and also about Khelo India & Fit India. • Students will able to know about physical development.
		Ch- (Olympism Value Education)	• Students will come to know about ancient & modern Olympics and concept of Olympism. • Students will come to know about Olympic Symbols, flag and motto.
	June		**SUMMER BREAK**
	July	Ch- (Yoga)	• It will help to understand about the importance of Yoga in our life. • Students will able to know about different yoga asanas.
		Ch- (Physical Education & Sports for CWSN)	• It will help to understand about aim & objective of adaptive physical education. • Students will able to know about the role of various professionals for CWSN.
	August		**PERIODIC TEST-I**
		Ch- (Physical Fitness, Wellness and Lifestyle)	• Students will come to know about Health related fitness. Students will able to know about Traditional sports and regional games.
	September		**REVISION & TERM-I EXAMINATION**
TERM-II	**October & November**	Ch- (Test, Measurement and Evaluation)	• It will help to learn to about BMI. • Students will able to know about the concept of Test, Measurement and Evaluation in physical education and sports.
		Ch- (Fundamentals of Anatomy, Physiology in sports)	• It will help to understand about human body systems. • Students will able to know about the function and structure of Circulatory system and Respiratory system.
	December		**PERIODIC TEST-II**
			WINTER BREAK
	January	Ch- (Fundamentals of Kinesiology and Biomechanics in sports)	• It will help to understand about how kinesiology and biomechanics helps to improve sports techniques. • Students will able to know about the different types of body movements

		Ch- (Psychology & Sports)	• Students will come to know about the importance of sports. • Students will able to know the adolescent problems and their management.
		Ch- (Training & Dopping in Sports)	• It will help to understand about the prohibited substances in sports. • Students will able to know about sports training.
	February & March	**REVISION, PRACTICALS & TERM-II EXAMINATION**	

Hindi

Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM-I	**April & May**	ईदगाह	सृजनात्मक साहित्य की आलोचनात्मक क्षमता का विकास। सामाजिक प्रतिबद्धता से परिचित अपने परिवेशगत अनुभवों पर अपनी स्वतंत्र राय देना।
		दोपहर का भोजन	समाज की यथार्थता का चित्रण। पाठ में दिए गए सामाजिक और सांस्कृतिक संदेशों को समझने व विश्लेषण करना पात्रों के व्यक्तित्व भावनाओं का विश्लेषण करना
		कबीर	जीवन में सत कर्मों को अपनाने हेतु प्रेरित होंगे।भारतीय साहित्य और संस्कृति में धार्मिक और सामाजिक चेतना की समझ कविता में प्रस्तुत विचारों और दृश्यों का मूल्यांकन
		सूरदास	कृष्ण के बाल रूप को जानने में सक्षम नए शब्दों के अर्थ जानने में सक्षम। काव्य में भावनात्मक और सामाजिक प्रतिस्पर्धा को समझने में सक्षम सूरदास के काव्य में भक्ति और साहित्यिक परिपेक्ष की समझ
		मकबूल फिदा हुसैन	साहित्यिक विश्लेषण कौशल का विकास । हुसैन की जीवन और कला के अध्ययन का ज्ञान हुसैन की चित्रकला के महत्वपूर्ण कार्यों का विश्लेषण और व्याख्या
		जनसंचार माध्यम	संचार कौशल का विकास । जनसंचार के प्रमुख सिद्धांतों और संरचनाओं का विश्लेषण जनसंचार के प्रकारों उनके लाभों और हानियों का अध्ययन
		पत्रकारिता के विविध आयाम	पत्रकारिता की उपयोगिता प्रकार व तत्वों के बारे में जागरूक होंगे । पत्रकारिता के सामाजिक राजनीतिक और आर्थिक प्रभावों का अध्ययन पत्रकारिता में प्रयुक्त भाषा और लेखन कौशल के महत्व की जानकारी
		टार्च बेचने वाला	हिंदी साहित्य की व्यंग्य विधा को समझेंगे । सामाजिक आर्थिक और पर्यावरणीय प्रभावों के अध्ययन की समझ अंधविश्वास के प्रति जागरूक
		गूँगे	छात्र सामाजिक दायित्वों के प्रति सचेत होंगे काव्यगत विशेषताओं से अवगत कहानी के पात्रों और कहानी के संदेश का अध्ययन करने में सक्षम समाज में गूँगों के अधिकार समस्याएं और उनका समाज में स्थान गूँगोंके सामाजिक आर्थिक और मानसिक संघर्षों का विश्लेषण
		ज्योतिबा फुले	सामाजिक एवं सांस्कृतिक मुद्दों के प्रति सचेत। ज्योतिबा फुले कि समाज सेवा शिक्षा और समाज के प्रति उनकी प्रेरणादायक भूमिका का विश्लेषण फुले के शैक्षिक दृष्टिकोण के बारे में विश्लेषण
	June	**SUMMER BREAK**	
	July & August	हंसी की चोट	काव्यगत विशेषताओं से अवगत। कविता के सामाजिक राजनीतिक और मानसिक पहलुओं का विश्लेषण मुक्तिबोध की कल्पना का विश्लेषण और उनकी कविताओं के संदेश का अध्ययन
		.सपना	श्रृंगार रस का ज्ञान । उसे समय की सामाजिक और राजनीतिक परिस्थितियों का अध्ययन भारतीय समाज की स्थिति चुनौतियों और संघर्षों का अध्ययन
		PERIODIC TEST-I	
		.दरबार	सामंती समाज के प्रति चाटुकारिता को समझेंगे ।
		संध्या के बाद	ग्रामीण अंचल की विस्तृत जानकारी
		कार्यालय लेखन और प्रक्रिया	कार्यालय में प्रयुक्त होने वाली कामकाजी हिंदी की समझ। कार्यालय लेखन की परिभाषा महत्व और प्रकारों का अध्ययन अलग—अलग प्रकार के दस्तावेजों के लेखन के निर्देशों का अध्ययन
		स्ववृत्त लेखन और रोजगार संबंधी आवेदन पत्र	व्याकरण और शब्दावली का विकास । स्ववृत्त लेखन के बेहतर तकनीक और नियमों का अध्ययन आवेदन पत्र के प्रकार तत्व और स्वरुप का विश्लेषण कर पाएंगे
		अपठित गद्यांश— काव्यांश	अपठित गद्यांश व काव्यांश के लिए प्रश्नों का उत्तर देने का अभ्यास करेंगे गद्यांश व काव्यांश में प्रयुक्त रस छंद और अलंकार का परीक्षण अपठित गद्यांश और काव्यांश को अपने जीवन और समाज से जोड़ने की क्षमता का विकास
	September	**REVISION & TERM-I EXAMINATION**	
TERM-II	**October & November**	कोश—एक परिचय	शब्दकोश के अनुसार शब्दों का चयन करने में सक्षम। कहानी के विवादस्पद विषयों उनके सामाजिक प्रभावों पर विचार कहानी में प्रयुक्त विचार कहानी में प्रयुक्त विचारों और संदेशों का विश्लेषण
		खानाबदोश	दलित पीड़ा को बेहतर ढंग से समझेंगे ।सामाजिक मुद्दों पर अपनी प्रतिक्रिया व्यक्त करने की चेतना का विकास कहानी के भावनात्मक पहलुओं और उनके प्रभाव का मूल्यांकन करने में सक्षम

II		उसकी मां	देश प्रेम की भावना जागृत। कविता में प्रस्तुत विचारों और संदेशों का मूल्यांकन और उनके समाज में महत्व का अध्ययन कविता के मुख्य विषयों और विचारों का विश्लेषण और समझ
		जाग तुझको दूर जाना है	अपने अनुभवों एवं कल्पनाओं को सृजनात्मक ढ़ग से लिखने में सक्षम। कविता के मुख्य विषय अर्थ और संदेश का विश्लेषण कवि द्वारा प्रयुक्त भाषा रस और चांद का मूल्यांकन करने में सक्षम
		बादल को घिरते देखा है	वातावरण के प्रति सजगता का विकास । कवि के विचारों और संदेशों के सामाजिक और सांस्कृतिक प्रभाव का अध्ययन करने में सक्षम कवि की भावनात्मक स्थिति और भावनाओं का मूल्यांकन
		हस्तक्षेप	निरंकुश शासन प्रणाली तथा लोकतंत्र शासन प्रणाली के अंतर की समझ। कविता में प्रसिद्ध विचारों और संदेशों के संवाद आत्मक और नैतिक मुद्दों पर विचार व्यक्त करने में सक्षम कविता के मुख्य संदेश और विचारों का विश्लेषण करने में सक्षम
		घर में वापसी	गरीबों की व्यथा ,कथा समझेंगे
		भारतवर्ष की उन्नति कैसे हो सकती है	सामाजिक, राजनीतिक और आर्थिक पहलुओं को समझने की क्षमता का विकास। भारतवर्ष की विभिन्न समस्याओं का विश्लेषण और समझ का विकास विभिन्न क्षेत्रों में उन्नति के लिए संभावनाओं का अध्ययन
	December		**PERIODIC TEST-II**
	January		**WINTER BREAK**
		दिशाहारा	सामाजिक शारीरिक एवं मानसिक रूप से चुनौती प्राप्त समूह के प्रति संवेदनशीलता । कहानी के विवादस्पद विषयों और उनके सामाजिक प्रभावों पर विचार मुख्य पात्रों का विश्लेषण और उनके व्यक्तित्व का मूल्यांकन
		डायरी लिखने की कला	डायरी लेखन और समृतियां । विभिन्न प्रकार की डायरी लेखन कला का अध्ययन डायरी लेखन में सामग्री का संगठन और विश्लेषण करने की समझ भावनात्मक और व्यक्तिगत परिपेक्ष्य से डायरी लेखन की कला का मूल्यांकन करने में सक्षम
		कथा पटकथा	पटकथा के स्रोत स्वरूप और संरचना से अवगत। कथा और पटकथा के मुख्य तत्वों का विश्लेषण विभिन्न पात्रों की प्रासंगिकता व्यक्तित्व और विकास का अध्ययन करने में सक्षम
	February & March		**REVISION, PRACTICALS & TERM-II EXAMINATION**

Painting

Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Ch- Pre-Historic rock paintings	• To demonstrate different values such as cooperation, team work, discipline & respect for nature & animal. • To understand the various style & moods of art expressions from different parts of India.
		Ch- Art of Indus Valley	• To explain the beauty of man-made designs of sculptures.
	June		**SUMMER BREAK**
	July	Ch- Buddhist, Jain and Hindu Art	• To develop skill of using drawing & painting material (surface tools & equipment etc.) effectively. • To develop their skills to draw & paint these observations.
	August		**PERIODIC TEST-I**
		Ch- Buddhist, Jain and Hindu Art	• To develop skill of using drawing & painting material (surface tools & equipment's etc.) effectively. • To develop their skills to draw & paint these observations.
	September		**REVISION & TERM-I EXAMINATION**
TERM-II	**October & November**	Ch- Temple sculpture, Bronzes and Artistic aspects of Indo-Islamic architecture	• To express them effectively in drawing & painting to express the different feelings & moods of life and nature in lines forms & colours
	December		**PERIODIC TEST-II**
	January		**WINTER BREAK**
			REVISION OF WHOLE SYLLABUS
	February & March		**REVISION, PRACTICALS & TERM-II EXAMINATION**

Hindustani Music Vocal

Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Ch - Brief study of the following: Nada, Swar Shruti, Saptak, Thaat, Jaati, Laya, Tala.	• Students will be able to understand basic terms of classical music.
		Ch - Discription of prescribed taal along with taal notation with thah, dugun and chaugun of Teentaal with hand beats.	• Students will be able to understand the concept of rhythm.
		Ch - Writing in notation the composition of prescribed raag Bhairavi (dhrut khayal) Devotional song.	• Students will be able to learn sudh komal tivra swaras, according to their ragas.
		Ch- Brief History of Dhrupad, Khayal & Tarana	• Students will be able to know the history of indian classical music.
	June	Ch- Lifesketch and contribution of Tansen	• Students will be able to understand the roots of indian classical musicians and the importance of their contribution towards classical music.
		Ch - Brief study of musical element in Natyashastra	• Students will be learn about the historical aspects of indian classical music.
		SUMMER BREAK	
	July	Ch- Writing in notation the composition of prescribed Raag Bhimplasi (Vilambit & Drut Khayal)	• Students will be able to learn Shudh and Komal Swaras according to the raga.
		Ch - Discription of prescribed taal along with taal notation with thah, dugun and chaugun of Ektaal with hand beats.	• Student will be able to learn the concept of rhythm.
	August	**PERIODIC TEST-I**	
		Ch - Knowledge of the structure of Tanpura.	• Students will be able to learn the basic knowledge of Tanpura.
		Ch- Discription of prescribed taal along with taal notation with thah, Dugun,tigun and chaugun of Chartaal with hand beats.	• Students will be able to understand the concept of rhythm and how to show rhytm on hands.

	September	REVISION & TERM-I EXAMINATION	
TERM-II	**October & November**	Ch- Critical study of prescribed Raag Bihag along with recognising phrases of swaras and elaborating them & writing in notation the composition of Raag Bihag (Dhrut khayal).	• Students will be able to recognise the raag with the help of swaras.
		Ch - Tunning of Tanpura	• Student will be learn the basic knowledge of tanpura.
		Ch - Brief study of the following- Margi-Desi Sangeet, Raga	• Students will be able to understand basic terms of music.
		Ch - Life sketch & contribution of V.N.Bhatkhande & V.D. Paluskar	• Students will be able to understand the roots of indian classical musicians and the importance of their contribution towards classical music.
	December	PERIODIC TEST-II	
		WINTER BREAK	
	January	Ch- Critical study of prescribed Raag along with recognising Ragas from phrases of swaras & elaborating them(Bhimplasi, Bhairavi)	• Students will be able to recognise the raag with the help of swaras.
	February & March	REVISION, PRACTICALS & TERM-II EXAMINATION	

Early Childhood Care and Education

Book Prescribed: ECCE Resource			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Ch-Communication Skills III	• To understand the various communication models. • To develop effective verbal communication skills, including clarity, coherence, and appropriate language use.
		Ch- Introduction to Early Childhood Care & Education	• To understand about the context of the child. • Recognize the responsibilities and roles of early childhood educators in providing a nurturing learning environment.
	June	SUMMER BREAK	
	July	Ch- Foundations of Child Development	• Comprehend major developmental theories. • To identify and describe the various domains of child development, including physical, cognitive, social, and emotional development.
		Ch- Self-Management Skills III	• To learn to set smart (specific, measurable, achievable, relevant, time-bound) goals. • To enhance decision-making skills by evaluating options & considering consequences.
	August	PERIODIC TEST-I	

		Ch- Nutrition & Health Needs of the Child	• To understand the nutritional needs of children at different stages of development. • To identify common nutritional deficiencies in children, their causes, symptoms, and preventive measures.
TERM-II	**September**		**REVISION & TERM-I EXAMINATION**
	October & November	Ch- Various Pedagogical Approaches & Holistic Development Activities for ECCE	• To know about care & practices for children from (birth to 6 months) (7 months to 1 year) and (1 year to 3 year) • To demonstrate an understanding of key pedagogical approaches.
		Ch- Inside-Outside Care & Learning Environment	• To learn about the environment for health, safety, stimulation and learning. • Identify the key components and characteristics of effective indoor and outdoor learning spaces.
		Ch- ICT Skills III	• To develop digital literacy and data management. • To understand basic digital concepts.
		Ch- Entrepreneurial Skills III	• To understand about business planning and conceptualisation. • To learn about research and financial literacy.
	December		**PERIODIC TEST-II**
			WINTER BREAK
	January	Ch- Engaging With Parents & Community	• To know about the ways of reaching out to parents & community through various methods.
		Ch- Green Skills III	• To develop an understanding of environmental challenges • To understand environmental conservation and sustainable practices.
	February & March		**REVISION, PRACTICALS & TERM-II EXAMINATION**

Yoga

	Months	Content	Learning Outcomes
		Book Prescribed:	
TERM-I	**May**	Ch- Communication Skills-III	• Students will develop knowledge skills & judgement around human communication that facilitate their ability to work collaboratively with others. • Students will come to know about the components and addressing barriers to effective communication.
		Ch – Introduction to Yoga and Yogic Practices-III	• Student will develop knowledge about yoga. Students will able to know how to improve internal organs with the help of Yogic kirays.
	June		**SUMMER BREAK**
			PERIODIC TEST-I
	July	Ch- Self Management Skills-III	• Helps to become a successful learner. It will help to understand about setting goals and efficiently manage time.
	August	Ch- ICT Skills-III	• Acknowledging the role of technologies in modern society. It will help to develop digital literacy, data management and understand basic digital concepts.
	September		**REVISION & TERM-I EXAMINATION**
TERM-II	**October to November**	Ch – Introduction to Yoga Texts-I	• Students will develop knowledge about yoga. • Students will able to know about different asanas.
		Ch – Yoga for Health Promotion-I	• Students will develop knowledge about yogic diet. Students will able to know about asanas and their benefits.
	December		**PERIODIC TEST-II**

	January	Ch- Entrepreneuial Skills-III	• It will allow students to identify & create business opportunities. • It will help to understand about business planning, conceptualisation, research and financial literacy.
		Ch- Green Skills-III	• It will increase knowledge about the need of green skill for efficient society. • It will help to develop an understanding of environmental challenges, conservation and sustainable practices.
	February & March	REVISION, PRACTICALS & TERM-II EXAMINATION	

Library & Information Science

Book Prescribed: CBSE			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Ch -Communication Skills-III	• To identify the different parts of a sentence. • To address barriers to effective communication.
		Ch - Library, Information and Society – Role and its implications	• To know about the purpose and role of library in the development of modern society • To know about types of libraries and their role & organization of library resources: basics
		Ch - Self - Management Skills-III	• To understand about setting goals and efficiently manage time.
	June	**SUMMER BREAK**	
	July	Ch- Organization of Library Resources: Basics	• To understand about library classification. • To understand about library cataloguing.
	August	**PERIODIC TEST-I**	
		Ch - Reference and Information Sources	• To understand about provide additional facilities for higher learning. • To research and dissemination of knowledge.
	September	**REVISION & TERM-I EXAMINATION**	
TERM-II	**October & November**	Ch- ICT Skills-III	• To develop digital literacy, data management. • To understand basic digital concepts.
		Ch - Computer Applications in Libraries: Basics	• To access to a range of electronic information resources. • To manage materials (books, journals, videos, and other media) held in particular collections.
		Ch - Entrepreneurial Skills-III	• To understand about business, planning, conceptualisation, research and financial literacy.
	December	**PERIODIC TEST-II**	
	January	Ch - Green Skills-III	• To develop an understanding of environmental challenges, conservation and sustainable practices.
	February & March	REVISION, PRACTICALS & TERM-II EXAMINATION	

Marketing

Book Prescribed: CBSE Notes			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Ch - Introduction to Marketing	• To understand the concept, scope and objectives of marketing. • Explain marketing philosophies and represent what can be marketed. • To differentiate between Selling and Marketing.
		Ch - Communication Skills	• The students will be able to know about the components of communication & addressing barriers to effective communication.

		Ch- Marketing Environment	• To understand the micro, macro, internal and external factors affecting the business. • To describe the meaning of ETOP and environmental scanning.
	June	**SUMMER BREAK**	
	July	Ch- Marketing Environment	• To understand the micro, macro, internal and external factors affecting the business. • To describe the meaning of ETOP and environmental scanning.
		Ch- Self Management Skills - III	• To understand about setting goals and efficiently manage time. • To understand the meaning and importance of Self-management, develop self-confidence and positive thinking.
		PERIODIC TEST-I	
	August	Ch- Marketing Segmentation, Targeting and Positioning	• The students will be able to understand the concept, basis and importance of segmentation, targeting and positioning.
	September	**REVISION & TERM-I EXAMINATION**	
TERM-II	**October & November**	Ch- ICT (Information and Communication Technology) - III	• Understand the importance of ICT at workforce and at home. • Enable the use of ICT tools.
		Ch- Fundamentals of marketing mix	• Give introduction and characteristics of marketing mix. • Understand the concept of 4Ps & 4Cs and factors governing these decisions.
		Ch- Consumer Behaviour	• Discuss about the meaning importance and stages of consumer behaviour. • To understand the factors governing the consumer behaviour
	December	**PERIODIC TEST-II**	
		WINTER BREAK	
	January	Ch- Entrepreneurial Skills - III	• To understand the meaning of Entrepreneurship, its role, characteristics of entrepreneur.
		Ch- Green Skills - III	• The students will be able to acquire knowledge about resources, their uses, pollution and importance of green environment.
	February & March	**REVISION, PRACTICALS & TERM-II EXAMINATION**	

Applied Mathematics (241)

Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM-I	**May**	Ch- Sets	• Define set as well-defined collection of objects. • Represent set in roster and set builder form. Identify different types of sets on the basis of number of elements in the set. • Differentiate between equal set and equivalence set. Subsets • Apply the concept of Venn diagram to understand the relationship between sets. Solve problems using Venn diagram. • Perform operations on sets to solve practical problems.
		Ch- Relations	• Explain the significance of specific arrangement of elements in a pair. • Cartesian product of two sets. Find the number of elements in a Cartesian product of two sets. • Express relation as a subset of Cartesian product. Find domain and range of a relation.
	June	Ch- Sequence & Series	• Differentiate between sequence and series, identify arithmetic progression(AP). Establish the formulae of finding nth term and sum of n terms . • Solve application problems based on AP .Find arithmetic mean(AM) of two positive numbers .Identify Geometric Progression (GP) .Derive the nth term and sum of n terms of a given GP. • Solve problems based on applications of GP . Find geometric mean (GM) of two positive numbers.

			• Solve problems based on relation between AM and GM. Apply appropriate formulas of AP and GP to solve application problems.
		SUMMER BREAK	
	July	Ch-Straight Line	• Find the slope and equation of line in various form. Find angle between the two lines. • Find the perpendicular from a given point on a line. • Find the distance between two parallel lines.
		Ch-Circle	• Define a circle. Find different form of equations of a circle. • Solve problems based on applications of circle.
		PERIODIC TEST-I	
	August	Ch - Numbers, Quantification and Numerical Applications	• Express decimal numbers in binary system. • Express binary numbers in decimal system. • Relate indices and logarithm/ antilogarithm, find logarithm and antilogarithms of given numbers. • Enlist the laws and properties of logarithms. • Apply laws of logarithm. Use logarithm in different applications. determine average for a given data. • Evaluate the angular value of a minute. Calculate the angle formed between two hands of a clock at given time. Calculate the time for which hands of clock need. Determine odd days in a month/ year/ century. decode the day for given date. Establish the relationship between work and time . Compare the work done by the individual/ group w.r.t. time. calculate the time taken/ distance covered/ work done from the given data. Solve problems based on the surface area and volume of 2D and 3D shapes calculate the volume surface area for solid formed using two or more sheets. • Create suitable seating plan/ draft as per given conditions (linear / circular). • Locate the position of a person in a seating arrangement.
	September	**REVISION & TERM-I EXAMINATION**	
TERM-II	**October & November**	Ch- Functions	• Identify dependent and independent variables. Define a function using dependent and independent variable. • Define domain, range and co-domain of a given function. • Define various types of functions. Representation of function graphically
		Ch- Limits, Continuity & Derivatives of functions	• Define limit of a function. Solve problems based on the algebra of limits. Define continuity of a function. • Define instantaneous rate of change. • Find the derivative of the functions. Find the derivative of function of a function.
		Ch- Permutations and Combinations	• Define factorial of a number. Calculate factorial of a number. Appreciate how to count without counting. Define permutation. Apply the concept of • permutation to solve simple problems. Define combination. Differentiate between permutation and combination. Apply the formula of combination to solve the related problems.
		Ch- Parabola	• Define parabola and related terms. Define eccentricity of a parabola. Derive the equation of parabola.
		Ch- Probability	• Appreciate the use of probability in daily life. • Define random experiment and sample space with suitable examples. • Define an event. Recognize and differentiate different types of events and find their probabilities. • Define the concept of conditional probability. Apply reasoning skills to solve problems based on conditional probability.

			• Interpret mathematical information and identify situations when to apply total probability. Solve problems based on application of total probability. • State Bayes' theorem. Solve practical problems based on Bayes' Theorem.
	December		**PERIODIC TEST-II**
			WINTER BREAK
	January	Ch- Descriptive Statistics	• Understand meaning of dispersion in a data set. Differentiate between range, quartile deviation, mean deviation and standard deviation. Calculate range, quartile deviation, mean deviation and standard deviation for ungrouped and grouped data set. Choose appropriate measure of dispersion to calculate spread of data. Define Skewness and Kurtosis using graphical representation of a data set. • Interpret Skewness and Kurtosis of a frequency distribution by plotting the graph. • Calculate coefficient of Skewness and interpret the results. Define Percentile rank and Quartile rank. Calculate and interpret Percentile and Quartile rank of scores in a given data set. • Define correlation in values of two data sets. Calculate Product moment correlation for ungrouped and grouped data. • Calculate Karl Pearson's coefficient of correlation. Calculate Spearman's rank correlation. Interpret the coefficient of correlation.
		Ch- Financial Mathematics	• Define the concept of Interest Rates. • Compare the difference between Nominal Interest. Rate, Effective Rate and Real Interest Rate. Solve Practical applications of interest rate. Interpret the concept of simple and compound interest. Calculate Simple Interest and Compound Interest. Explain the meaning nature and concept of equivalency. Analyze various examples for understanding annual equivalency rate . Define with examples the concept of effective rate of interest. • Interpret the concept of compounding and discounting along with practical applications. Compute net present value. Apply net present value in capital budgeting decisions. • Explain the concept of Immediate Annuity, Annuity due and Deferred Annuity. Calculate General Annuity. Calculate the future value of regular annuity, annuity due. Apply the concept of Annuity in real life situations. • Explain fundamentals of taxation. Differentiate between Direct and indirect tax. Define and explain GST . Calculate GST. Explain rules under State Goods and Services Tax (SGST). Central Goods and Services Tax (CGST) and Union Territory Goods and Services Tax (UTGST). Describe the meaning of bills and its various types. Analyze the meaning and rules determining tariff rates. Explain the concept of fixed charge. To interpret and analyse electricity bills, water bills and other supply bills. Evaluate how to calculate units consumed under electricity bills/water bill.
		Ch- Mathematical and Logical Reasoning	• Solve logical problems involving odd man out, syllogism, blood relation and coding decoding
	February & March		**REVISION, PRACTICALS & TERM-II EXAMINATION**