



Doon Public School

A New Generation Sr. Sec. School | Affiliated to CBSE
Sector 21, Panchkula - 134 112 (Haryana)

Class- XI (Science) Syllabus for the Session 2025-26 English Core

Book Prescribed: NCERT			
	Months	Content	Learning Outcomes
TERM-I	April	Chapter No.1 : The Portrait of a Lady (Prose), Hornbill	Students will be able to: Remember: The key events , character sketch of grandmother, moral values, and message of the chapter Understand: The bonding between grandmother and Khushwant Singh, grandmother's love for animals Apply: Grand mothers's values, love for animals and adaptability in real life Analyze: The difference in village school education and city school education
		A Photograph (poem), Hornbill	Students will be able to: Remember: The theme, message and personal experiences of the poet Understand: The significance of photograph, poetic devices and the pain of losing mother Apply: The poem's theme in real life situation and valuing every moment Analyze: The events of mother's past and poet's past and how they create a beautiful bonding between mother and a daughter
	May & June	Note Making	Students will be able to: Remember: The format of Note Making and key character of note making Understand: The importance of note-making in learning and retention Apply: Note making technique in various subjects for better understanding Analyze: The effectiveness of note making
		Chapter No.1: The Summer of the Beautiful White Horse (prose) Snapshots	Students will be able to: Remember: The story events, characteristics of Mourad and Aram and setting of the chapter Understand: The theme of honesty, family, morality through characters Apply: The decision making , overcoming dilemma and chosing the right path qualities in real life Analyze: The cultural values of the tribe
		Chapter No. 2: We aren't Afraid to Die... if We can be together (prose) Hornbill	Students will be able to: Remember: The message , character traits of all the characters and the events of the voyage Understand: The importance of family, courage and togetherness Apply: The moral values gained from the chapter in real life to create better family bonding Analyze: The days of January 3rd to January 5th and analyse the behaviour and support of every character
		Classified Advertisement , Speech Writing	Students will be able to: Remember: The format of advertisement and speech writing Understand: The purpose and structure of a classified advertisement and coherense in speech writing Apply: The writing skills in real life situation

			Analyze: The importance of correct format and content
	July	Chapter No. : The Address (prose) Snapshots	Students will be able to: Remember: The events, setting, and characteristics of the main character Understand: The effect of war, significance of address in character's life Apply: The concept of attachment-detachment, importance of memories over materialism in real life to move ahead Analyze: The emotional journey and character development with the course of event
		Integrated Grammar	Students will be able to: Remember: The key rules to use subject verb and tenses Understand: The importance of grammar in using right syntax Apply: Correct usage of language in real life situation Analyze: The importance of correct use of language
		The Laburnum Top (poem), Hornbill	Students will be able to: Remember: The theme, message and personal experiences of the poet Understand: The significance of Laburnum tree and goldfinch's behaviour; poetic devices Apply: The poem's theme in real life situation and work silently and enjoy the activity in phase in life Analyze: The poet's use of language and structure
	August	PERIODIC TEST-I	
		Chapter No. 3: Discovering Tut (prose) Hornbill	Students will be able to: Remember: The key facts about King Tut's life and tomb Understand: The possible reason of his death and about his family tree Apply: The understanding of ancient Egyptian history to contextualize current events Analyze: The impact of King Tut's tomb discovery on the understanding of ancient Egyptian history
	September	REVISION & TERM-I EXAMINATION	

Physics

Book Prescribed: NCERT			
	Months	Content	Learning Outcomes
TERM-I	April	Chapter 1: Units and Measurements	Students will be able to: Remember : Fundamental and derived units, SI system of units Understand: The needs for measurement and various unit systems (SI, CGS, FPS) Apply: Physical quantities and list the seven base SI units Analyze: Rules of significant figures and calculate errors and interpret measurement uncertainty
	May & June	Chapter 2: Motion in a Straight Line	Students will be able to: Remember: Key terms- displacement, velocity, acceleration, distance, and speed ; Recall equations of motion Understand: Frame of reference and describe one-dimensional motion using position-time and velocity-time graphs. Apply: Concept of average speed, average velocity, and instantaneous velocity to solve numerical problems Analyze : Graphical representation of motion.

		Chapter 3: Motion in a Plane	Students will be able to: Remember : Key terms- projectile motion, trajectory, range, and maximum height Understand : Scalar and vector quantities with examples and identify vector notations Apply: Vector operations and resolve vectors into components using graphical and analytical methods Analyze: Equations of motion for projectile and circular motion 2D motion analysis.
	July	Chapter 4: Laws of Motion	Students will be able to: Remember : Newton's three laws of motion and key terms - inertia, momentum, force, and impulse Understanding: Newton's laws of motion and related concepts like force, inertia, and momentum with examples Apply: Laws of motion to real-life scenarios such as vehicles on curved roads Analyze: Types of friction and uniform circular motion in terms of centripetal force
	PERIODIC TEST-I		
	August	Chapter 5: Work, Energy and Power	Students will be able to: Remember : Definition of work, energy and power and formulas of work, kinetic energy and potential energy Understand: Work and energy concept; differentiate conservative and non-conservative forces. Apply: Work-energy theorem and calculate energy in systems including springs and circular motion. Analyze: Concept of power in mechanical systems using real-life contexts.
	August	Chapter 7: Gravitation	Students will be able to: Remember : The universal laws of gravitation and key terms gravitational force, gravitational potential energy, escape velocity and orbital velocity Understand: Kepler's laws and define gravitational potential, escape velocity, and types of mass. Apply: The law of gravitation to calculate forces and orbital parameters like velocity and energy. Analyze: Variations in gravity with altitude/depth and distinguish gravitational vs inertial mass.
	September	REVISION & TERM-I EXAMINATION	

Chemistry

Book Prescribed: NCERT			
	Months	Content	Learning Outcomes
Term -I	April	Chapter No. 1: Some Basic Concepts of Chemistry	Students will be able to: Remember: The concept of mole, molar mass, and significant figures Understand: The laws of chemical combination and mole concept Apply: The concept in solving numerical problems on mass, mole, and volume Analyze: The limiting reagent and percentage yield in reactions

	May & June	Chapter No. 2: Structure of Atom	Students will be able to: Remember: The atomic models and subatomic particles Understand: The Bohr's model and quantum numbers Apply: The knowledge to write electronic configurations using rules Analyze: The different atomic models and their limitations
		Chapter No. 3: Classification of Elements and Periodicity in Properties	Students will be able to: Remember: The modern periodic law and periodic table structure Understand: The periodic trends in properties Apply: The knowledge to predict element properties based on position Analyze: The trends and justify periodic behaviour
	June	SUMMER BREAK	
	July	Chapter No. 4 : Chemical Bonding and Molecular Structure	Students will be able to: Remember: The types of bonds and octet rule Understand: The VSEPR theory and hybridization Apply: Lewis structures and predict molecular shape Analyze: The bond types and explain molecular geometry
	August	PERIODIC TEST-I	
	August	Chapter No. 5 : Chemical Thermodynamics	Students will be able to: Remember: The key thermodynamic terms and define system, surroundings Understand: The laws of thermodynamics and enthalpy changes Apply: The acquired knowledge to solve problems on heat, work, and internal energy. Analyze: The various thermodynamic processes and differentiate between them
	September	REVISION & TERM-I EXAMINATION	

Biology

Books prescribed- NCE`RT			
	Months	Content	Learning Outcomes
Term -I	April	Chapter No. 1: The Living World	Students will be able to: Remember: The process of identification, naming and classification of organisms Understand: The concept of taxonomy, systematics, classification, universal rules of Binomial nomenclature and taxonomical hierarchy Apply: The gained knowledge to classify organisms based on their characteristics Analyze: The importance of classification in understanding evolutionary relationships
		Chapter No. 2 : Biological Classification	Students will be able to: Remember: The differences between prokaryotic and eukaryotic cells Understand: The classification of each kingdom -Monera, Protista, Fungi, Animalia, Plantae and difference between Virus, viroids, prions and lichens Apply: The gained knowledge to classify organisms based on their characteristics Analyze: The characteristics of the kingdoms and evaluate the role of classification in conservation biology and research.

	May & June	Chapter No.3: Plant kingdom	Students will be able to: Remember: The characteristics of different plant groups (algae, bryophytes, pteridophytes, gymnosperms, angiosperms) Understand: The classification of plant kingdom into algae, pteridophytes, bryophytes, gymnosperms and angiosperms on the basis of their characteristics and the process of asexual, sexual reproduction in the above groups Apply: The gained knowledge to identify the specimens, slides of plants and classify them based on their characteristics Analyze: The adaptations of plants to different environments and evaluate the role of plants in ecosystems
		Chapter No.4 : Animal kingdom	Students will be able to: Remember: The characteristics of different animals of different phylum and classes Understand: The classification of different groups of animals of Animal kingdom into their respective phyla and classes on the basis of their characteristics and peculiar features Apply: The gained knowledge to identify the animals and classify them based on their characteristics and understand their ecological and economic importance Analyze: The adaptations of animals to different environments and evaluate their role in ecosystems.
		Chapter No.5: Morphology of Flowering plants	Students will be able to: Remember: The terms related to morphology of flowering plants and the different parts of a flower and their functions. Understand: The different types of venation, inflorescences, phyllotaxy, aestivation, placentation in flowering plants and the floral formula of plants. Apply: The gained knowledge to identify and classify plants based on their morphological characteristics and write the semi-technical description of a flower. Analyze: The adaptations of plants to different environments based on their morphological features
	June	<p style="text-align: center;">SUMMER BREAK</p>	
	July	Chapter No.6: Anatomy of Flowering Plants	Students will be able to: Remember: The difference between dicot and monocots. Understand: The structure and function of vascular tissues (xylem and phloem), detailed anatomical structure of T.S. Dicot and Monocot roots, stem and leaves. Apply: The gained knowledge in identifying and preparing temporary transverse sections of monocot, dicot roots and stems. Analyze: The difference between dicots and monocots based on their anatomy.
		Chapter No.7 : Structural Organisation in Animals	Students will be able to: Remember: The terms related to morphology and anatomy of frogs. Understand: Explain the morphology and anatomy of frogs- Digestive system, respiratory system, circulatory system, excretory and reproductive system of frog. Apply: The knowledge of frog anatomy to understand animal physiology and ecology. Analyze: The adaptations of frogs to different environments based on their anatomical features and evaluate the importance of studying frog anatomy in understanding animal biology.

		Chapter No. 8: Cell: The Unit of Life	Students will be able to: Remember: The differences between prokaryotic- eukaryotic cells and plant cell- animal cells Understand: The structure and function of cell wall, cell membranes and organelles, structure and types of chromosomes on the basis of position of centromere. Apply: The knowledge of cell biology to understand cellular processes and functions.. Analyze: The relationships between cell structure and function and evaluate the importance of cell biology in understanding life processes and disease mechanisms.
		PERIODIC TEST I	
		Chapter No .9: Biomolecules	Students will be able to: Remember: The function of biomolecules (proteins, enzymes, lipids, carbohydrates). Understand: The structure and function of proteins, enzymes, and classification of enzymes, effects of temperature, pH, substrate on the role of enzymes ;Co-factors and its types. Apply: The gained knowledge to identify and describe the different types of biomolecules and their structures and use biomolecule structure and function to understand disease mechanisms. Analyze: The relationships between biomolecule structure and function and evaluate the importance of biomolecules in understanding life processes and disease mechanisms.
	August	Chapter No.10: Cell cycle and Cell divisions	Students will be able to: Remember: The cell cycle and the difference between mitosis and meiosis Understand: All the stages of mitosis and meiosis cell cycle and the significance of cell division in living organisms Apply: The gained knowledge to identify the different stages of the meiosis and to prepare slides of onion root tip showing different phases of mitosis Analyze: The difference between mitosis and meiosis and evaluate the role of cell division in development, growth, and disease.
	September	REVISION & TERM-I EXAMINATION	

Mathematics (041)

Book Prescribed: NCERT			
	Months	Content	
Term -I	April	Chapter No. 1: Sets	Students will be able to: Remember: The definition and notation of sets and different types of sets such as subsets, super sets and disjoint sets Understand: The concept of sets and comprehend set operations as union, intesection and difference Apply: Set operations to solve problems involving sets and use Venn diagrams to represent sets and solve problems Analyze: Sets to determine relationships between them
	May & June	Chapter No. 4: Complex Numbers and Quadratic equations	Students will be able to: Remember: The definition and properties of complex numbers, standard form of complex numbers and the concept of conjugates

			<p>Understand: The concept of Complex numbers as an extension of real numbers, including their representation and operations</p> <p>Apply: The knowledge of Complex numbers to solve quadratic equations with no real roots</p> <p>Analyze: The nature of roots of a quadratic equation - real, complex, equal or distinct</p>
		Chapter No. 8: Sequence and Series	<p>Students will be able to:</p> <p>Remember: The formulas for the nth term and sum of arithmetic and geometric sequence/series</p> <p>Understand:</p> <p>Apply: The formulas of arithmetic and geometric series to model real-world solutions</p> <p>Analyze: The relationship between the terms in a sequence, AM and GM</p>
		Chapter No. 5: Linear Inequalities	<p>Students will be able to:</p> <p>Remember: The definition and properties of linear inequalities</p> <p>Understand: The concept of linear inequalities and how these differ from linear equations</p> <p>Apply: The gained knowledge to solve word problems</p> <p>Analyze: The solution sets of linear inequalities and represent them graphically.</p>
	June	SUMMER BREAK	
	July	Chapter No. 3: Trigonometric Functions	<p>Students will be able to:</p> <p>Remember: Basic trigonometric identities and formulas</p> <p>Understand: Domain and range of trigonometric functions and their graphs</p> <p>Apply: Trigonometric identities and formulas to simplify and solve equations</p> <p>Analyze: The relationships among trigonometric functions</p>
		Chapter No. 9: Straight Lines	<p>Students will be able to:</p> <p>Remember: The different forms of the equation of a straight line and the formulas for slope and distance</p> <p>Understand: The concept of slope and its relation to the angle of inclination</p> <p>Apply: The formulas and equations to find slope and distance between the lines</p> <p>Analyze: The relationship between two lines- parallel, perpendicular and intersecting</p>
	August	PERIODIC TEST-I	
		Chapter No. 13: Statistics	<p>Students will be able to:</p> <p>Remember: The measures of central tendency - mean, median and mode and dispersion - variance and standard deviation</p> <p>Understand: The relation between measures of central tendency and dispersion</p> <p>Apply: Statistical measures to interpret data and solve problems</p> <p>Analyze: The use of statistical measures and data representation in real-world contexts</p>
	September	REVISION & TERM-I EXAMINATION	

Computer Science

Book Prescribed: Computer Science with Python (Sumita Arora by Dhanpat Rai Publication)			
	Months	Content	Learning Outcomes
Term-I	April	Chapter No. 1: Computer System Organization	Students will be able to: Remember: Key components of a computer system and recall basic terminology related to computer architecture Understand: The function of each component in a computer system Apply: The acquired knowledge to demonstrate how different units (input, processing, output, storage) work together in real-life scenarios Analyze: The difference between primary and secondary memory in terms of speed and use
		Chapter No. 2: Data Representation	Students will be able to: Remember: Number systems such as binary, decimal, octal, and hexadecimal and their inter conversion Understand: The conversion process between number systems and interpret binary codes and ASCII values for characters Apply: The gained knowledge to convert numbers between binary, decimal, octal, and hexadecimal systems Analyze: Different number systems in terms of usage and efficiency
	May & June	Chapter No. 3 : Boolean Logic	Students will be able to: Remember: Definition of Boolean logic and its basic operations (AND, OR, NOT) ; Recall truth tables for basic Boolean operations and list Boolean laws and identities (e.g., De Morgan's Theorems) Understand: The function of each Boolean operator and interpret truth tables and Boolean expressions Apply: Boolean logic in real-world scenarios such as conditional programming and logic gates Analyze: Digital circuits or logical conditions using Boolean expressions
		Chapter No. 9: flow of Control (up to control statements)	Students will be able to: Remember: Recall the three types of control structures in Python. Understand: Explain how conditional constructs change the flow of a Python program. Apply: Solve real-world problems using control flow statements (e.g., check for even/odd, number guessing game, grade calculator). Analyze: Trace the execution of Python programs with multiple control statements and predict the output
	June	SUMMER VACATION	
	July & August	Chapter No 4: Introduction to problem Solving	Students will be able to: Remember: steps of the problem-solving process (e.g., understanding the problem, planning the solution, executing the plan, reviewing the results). Understand: Explain the importance of problem-solving in computer science and daily life. Apply: flowchart or pseudocode to represent the steps of a simple problem. Analyze: Evaluate the effectiveness of a problem-solving approach based on time, accuracy, and complexity.
		Chapter No. 5: Getting Started with Python.	Students will be able to: Remember: Define Python and identify it as a high-level, interpreted programming language. Understand: Explain how Python differs from other programming languages (e.g., its simplicity, readability). Apply: Execute Python code and correct basic syntax errors.

			Analyze: Break a problem into smaller steps and write a Python program to solve it using appropriate syntax and logic.
		Chapter No. 6: Python Fundamentals	Students will be able to: Remember: Python concepts: variables, data types, operators, and expressions. Understand: Explain how Python handles different data types during operations. Apply: Accept input from users and process it using expressions and operators. Analyze: Debug Python code involving variables, data types and operators.
		PERIODIC TEST-I	
		Chapter No. 7: Data Handling	Students will be able to: Remember: Recall basic data structures used in Python (lists, tuples). Understand: Explain the need for organizing and handling data in programs. Apply: Perform data operations such as sorting, filtering, and aggregating Analyze: Debug and improve programs that involve incorrect data handling or inefficient data processing.
		Chapter No. 9: flow of Control (Iteration Statements)	Students will be able to: Remember: Recall the three types of control structures in Python. Understand: Explain how looping constructs change the flow of a Python program. Apply: Solve real-world problems using iteration flow statements Analyze: Trace the execution of Python programs with multiple loops statements and predict the output.
	September	REVISION & TERM-I EXAMINATION	

Physical Education

Book Prescribed: SP Book			
	Months	Content	Learning Outcomes
TERM-I	April	UNIT-1 Changing Trends and Career in Physical Education	Students will be able to: Remember: Define physical education and its importance and Identify different careers in physical education Understand: How physical education has evolved over the years and the qualifications and skills required for various careers Apply: The gained knowledge of fitness trends to create a basic fitness routine and demonstrate the use of technology in physical training and match personality traits and interests with potential careers in physical education Analyze: Traditional and modern approaches to physical education and how global trends are shaping career opportunities in choosing physical education as a profession
	May & June	UNIT-2 Olympic Value Education	Students will be able to: Remember: The history and origin of the Olympic Games and the important Olympic movements and personalities and symbols of the olympic Understand: The meaning and importance of each Olympic value and understand the role of sports in character and moral development Apply: Olympic values in school or sports activities and organize small games or events that reflect Olympic spirit and values

			Analyze: Real-life examples where sports helped overcome conflict or brought social change and evaluate how effectively Olympic values are practiced in modern sports
	June	SUMMER BREAK	
	July	UNIT-3 Yoga	<p>Students will be able to:</p> <p>Remember: Definition of yoga and its origin and list different types of yoga ; Recall basic yoga postures (Asanas), breathing techniques (Pranayama), and meditation practices</p> <p>Understand: The purpose of yoga for physical, mental, and spiritual well-being and understand how yoga helps in stress management, concentration, and emotional balance</p> <p>Apply: The gained knowledge to perform simple yoga asanas and breathing exercises with correct technique, design a short yoga session for relaxation or physical fitness and practice mindfulness and meditation regularly as a lifestyle habit</p> <p>Analyze: The impact of yoga on health conditions like anxiety, obesity, or back pain and its reflection on personal changes through regular practice</p>
		UNIT-4 Physical Education and Sports for Children with Special Needs	<p>Students will be able to:</p> <p>Remember: The different types of disabilities and definition of Children with Special Needs (CWSN) ; Key concepts : Adapted physical education programs and inclusive sports activities</p> <p>Understand: The importance of physical activity for children with special needs and how to modify activities and equipment to suit individual needs. Describe how inclusive physical education promotes confidence, teamwork, and health</p> <p>Apply: The gained knowledge to create or modify a basic physical activity to suit children with different abilities by using inclusive strategies in games or group activities. Demonstrate supportive behavior and empathy toward CWSN during sports or classroom sessions</p> <p>Analyze: Traditional and inclusive physical education approaches , challenges faced by CWSN in accessing sports opportunities and evaluating the role of inclusive education in promoting equality and reducing stigma</p>
	August	PERIODIC TEST-I	
		UNIT-5 Physical Fitness, Wellness and Lifestyle	<p>Students will be able to:</p> <p>Remember: Key terms -Define physical fitness, wellness, and a healthy lifestyle and the components of physical fitness, types of wellness , healthy habits and lifestyle factors</p> <p>Understand: The relationship between physical activity, wellness, and quality of life and understand how wellness is a lifelong process that includes physical and mental balance</p> <p>Apply: The gained knowledge to create and follow a daily fitness routine and set realistic goals for improving personal fitness , also use tools to track progress</p> <p>Analyze : Different types of fitness routines and their long-term impacts and how lifestyle choices affect academic performance, mood, and physical health</p>
	September	REVISION & TERM-I EXAMINATION	

Painting

Book Prescribed: An Introduction of Indian Art Part -1 +Panoramic Indian Painting + A2 Size Practical Files-2			
	Months	Content	Learning Outcomes
TERM-I	April	Chapter No. : Fundamentals of Art	Students will be able to: Remember: The key elements and principles of art, including line, shape, form, space, texture, value, and colour Understand: How artists use these fundamentals to communicate meaning and explain the significance and function of various elements in artistic composition Apply: The acquired knowledge to demonstrate the use of basic elements and principles in creating simple art compositions Analyze: How the fundamentals are employed across various styles and periods of art
	May & June	Chapter No. : The Pre-Historic rock Paintings	Students will be able to: Remember: The major prehistoric sites and examples of rock art in India and globally and recall the historical timeline and cultural context of prehistoric paintings Understand: The materials, tools, and techniques used by prehistoric artists Apply: The acquired knowledge to recreate a composition inspired by Pre-Historic rock painting techniques using natural or traditional materials Analyze: The cultural and historical significance of rock art in early human civilizations
	June	SUMMER BREAK	
		PERIODIC TEST-I	
	August	Chapter No. : Arts of Indus Valley Civilization	Students will be able to: Remember: The key features and archaeological findings from the Indus Valley Civilization Identify prominent sites such as Mohenjo-daro, Harappa, and Lothal. Understand: The significance of seals, terracotta figurines, sculptures, and pottery in the Indus Valley. The artistic and technical excellence achieved in this civilization. Apply: The stylistic features and cultural influences in Indus Valley artifacts. The motifs and forms of the Indus Valley to later Indian art traditions. Analyze: The role of art in the socio-economic and religious practices of the Indus people. The contribution of the Indus Valley to the evolution of Indian art.
		Chapter No. : Buddhist, Jain and Hindu Art	Students will be able to: Remember: The important monuments, sculptures, and architectural styles from Buddhist, Jain, and Hindu traditions. The significant sites such as Sanchi, Ajanta, Ellora, and Khajuraho. Understand: The iconography, symbolism, and stylistic developments of each religious tradition. The evolution of temple architecture and narrative sculpture. Apply: The differences and similarities in motifs and structures across the three traditions. The knowledge of symbolic representation to analyze artwork. Analyze: The role of religion and patronage in the growth of Indian art.
	September	REVISION & TERM-I EXAMINATION	

Hindustani Music Vocal

Book Prescribed: Sangeet Anand + Sangeet Shelly Practical File (Unique Publications)			
	Months	Content	Learning Outcomes
TERM-I	April	Unit 1: Naad, Shruti, Swar, Saptak, Thaat, Jaati, Laya, Taal, Margi Sangeet Desi Sangeet,	Students will be able to: Remember: Key terms related to Hindustani Music (e.g., raga, tala, swara, laya) Understand: Basic terms of Indian Classical Music Apply: The gained understanding of Swaras and Talas to create different types of compositions in Indian classical Music Analyze: The structure and composition of Hindustani Music pieces
	May & June	Unit 2: Brief history of Khayal Brief study of Dhrupad and Tarana .	Students will be able to: Remember: Key features and historical background of Dhrupad Khayal and Tarana Understand: The description of role of each form in Hindustani Music Apply: The knowledge of these forms in vocal performances Analyze: The significance of each form in Hindustani Music's development
	June	SUMMER BREAK	
	July	PERIODIC TEST-I	
		Unit 4: Description of prescribed Talas (Teentala, Ektala) with Tala Notation in Thah, Dugun, and Chaugun Knowledge of the structure of Tanpura	Students will be able to: Remember: The prescribed notation system of Ektaal, Teentaal along with their Layakaries ; The structure of Tanpura Understand: The concept of Thah, Dugun and Chaugun in Hindustani Music Apply: The acquired knowledge of Talas and rhythmic patterns in vocal performances Analyze: Different Talas and their applications and the importance of Tanpura in Hindustani Music
	September	REVISION & TERM-I EXAMINATION	

Web application

Book Prescribed: CBSE Resources			
	Months	Content	Learning Outcomes
TERM-I	April	Chapter No. :1 (Part-A) Communication Skills-III	Students will be able to: Remember: The definition of communication, types of communication Understand: The importance of communication, barriers to communication Apply: The gained knowledge to apply communication skills and communication techniques in real-life situations Analyze: Different communication styles, analyzing effective and ineffective communication

	May & June	Chapter No. : 2 (Part-B) Website Building Using HTML and CSS	Students will be able to: Remember: Basic tags and elements of HTML, basic properties and selectors of CSS Understand: The structure of a web page Apply: The acquired knowledge to create simple web pages using HTML, Style web pages (using CSS) to make them visually appealing Analyze: Different errors in HTML and CSS code and the way to fix them
	June	SUMMER BREAK	
	July	Chapter No. : 2 (Part- B) Website Building Using HTML and CSS	Students will be able to: Remember: The definition of HTML (Hyper Text Markup Language) and CSS (Cascading Style Sheets). Understand: The relationship between HTML content and its visual presentation through CSS Apply: The acquired knowledge to create a simple webpage using basic HTML tags Analyze: The break down a webpage layout to understand the role of different HTML and CSS components
		Chapter No. : 2 (Part-A): Self-Management Skills-III	Students will be able to: Remember: The concept of self-management and its importance in daily life Understand: How self-motivation and personal responsibility contribute to self-management Apply: How to use Self-discipline and stress management techniques in classroom activities Analyze: Interpret Personal habits and identify areas needing improvement for better self-management
	August	PERIODIC TEST-I	
		Chapter No. :1 (Part-B) : Basics of Networking	Students will be able to: Remember: Computer network and types of networks, network devices Understand: The purpose and benefits of networking Apply: The acquired knowledge to determine the best network type for a given scenario (e.g., school vs. city-wide office) Analyze: The advantages and disadvantages of various topologies.
		Chapter No. : 3 (Part-A) Entrepreneurial Skills-III	Students will be able to: Remember: The concept of entrepreneurship and entrepreneur. Understand: The importance of entrepreneurship in economic development Apply: The acquired knowledge to identify opportunities in daily life that could become small business ideas Analyze: Different entrepreneurs and analyze what made them successful
	September	REVISION & TERM-I EXAMINATION	

Yoga

Book Prescribed: CBSE			
	Months	Content	Learning Outcomes
TERM-I	April	Introduction to Yoga (Yoga)	Students will be able to: Remember: Define the term Yoga, its origin, history and development of Yoga in India. Understand: The meaning and purpose of Yoga and the importance of Yoga for physical, mental, and spiritual well-being. Apply: The gained knowledge to perform selected asanas to develop a personal yoga routine and breathing techniques correctly to reduce stress and improve lifestyle and habits Analyze: The impact of Yoga on stress and lifestyle diseases and compare Yoga with other forms of physical exercise.
	May & June	Yogic Practices (Yoga)	Students will be able to: Remember: Yogic practices including names and types and important texts like Patanjali Yoga Sutras, Bhagavad Gita Understand: The importance and role of Yoga in holistic health of regular yogic practices in daily life Apply: Demonstrating basic Yoga practices such as:simple asanas,pranayama techniques,meditation and relaxation techniques Analyze: The benefits of asanas and pranayama and how Yoga affects the body systems and the role of yogic diet and discipline in improving performance
	June	SUMMER BREAK	
		UNIT-1 Communication Skills-III (Employability skill)	Students will be able to: Remember: The types, the elements of the communication process, the 7 Cs of effective communication and barriers to communication Understand: The importance of effective communication in daily life and the workplace, non-verbal communication cues and the difference between formal and informal communication Apply: Effective communication in role-plays and presentations using proper tone, pitch, and body language Analyze: The difference between effective and ineffective communication styles, real-life or simulated scenarios to identify communication gaps or breakdowns and the impact of communication barriers on relationships or work performance
		UNIT-2 Introduction to Yoga Texts (Yoga)	Students will be able to: Remember: The number of limbs in Ashtanga Yoga and Patanjali Yoga Sutras Understand: The significance of the Patanjali Yoga Sutras in the philosophy and yogic teachings of the Bhagavad Gita. Describe the difference between Hatha Yoga and Raja Yoga." Apply: How concepts from yoga texts can be applied in daily life and practice of basic yoga techniques. Analyze: Compare and contrast the teachings of Patanjali Yoga Sutras and the Bhagavad Gita and discuss the philosophical foundations of yoga as presented in classical texts.
	August	PERIODIC TEST-I	

		UNIT-2 Self Management II Skills (Employability Skill)	Students will be able to: Remember: The definition of self-management, its key skills such as self-discipline, motivation, organization and recall techniques for managing time, stress, and emotions effectively Understand: The importance of self-management in personal and academic life and the consequences of poor self-management, importance of self discipline in forming habits and routines to yield productivity Apply: The knowledge of SMART goals for personal or academic growth, time management tool and stress-reducing strategies to organize tasks Analyze: Effective vs. ineffective self-management strategies in different scenarios, obstacles to self-management and how self-management impacts academic performance and relationships
	September	REVISION & TERM-I EXAMINATION	

Library & Information Science

Book Prescribed: CBSE			
	Months	Content	Learning Outcomes
TERM-I	April	Chapter No. : Communication Skills-III (Employability Skills)	Students will be able to: Remember: The do's and don't of good communication Understand: The importance of good communication to enhance personality Apply: The skill of communication for impactful conversation Analyze: The need of good communication in one's life
	May & June	Chapter No. : Library Information and Society - Role and its implications	Students will be able to: Remember: The key terms like library, information, society, and knowledge economy Understand: The role of libraries in social, educational, and cultural development Apply: The gained knowledge to demonstrate how libraries support digital literacy and lifelong learning Analyze: How societal changes (technology, economy, education) impact libraries
		Chapter No. : Self - Management Skills - III	Students will be able to: Remember: The definition of self-management and identify its key components (e.g., goal-setting, time management, emotional regulation) Understand: The importance of self-management in personal and academic life through group discussion Apply: The gained knowledge to create a daily or weekly self-management plan that includes goals, schedules, and personal reflection points Analyze: A scenario or case study involving poor self-management and identify what went wrong and how it could be improved
	June	SUMMER BREAK	
	July	Chapter No. : Organization of Library Resources : Basics	Students will be able to: Remember: Basic terminology and concepts related to the organization of library resources. Flashcards for terms like classification, cataloguing, Dewey Decimal System, accession register

			Understand: Why organizing library resources is important and how different systems work Apply: The knowledge to classify and cataloging techniques to simple examples Analyze: The different classification systems and identify their advantages/disadvantages
	PERIODIC TEST-I		
	August	Chapter No. : ICT Skills - III	Students will be able to: Remember: The basic terms, tools, and functions related to ICT tools and software Understand: The concept of different ICT tools which help in managing information effectively Apply: The gained knowledge to use ICT tools to create, organize, and share information Analyze: Different ICT tools based on purpose, usability, and efficiency.
	September	REVISION & TERM-I EXAMINATION	

Marketing

Book Prescribed: CBSE Notes			
	Months	Content	Learning Outcomes
TERM-I	April	Unit 1: Introduction to Marketing	Students will be able to: Remember: the definition of marketing, market, marketer. List differences between needs, wants, and demands. Understand: the importance and scope of marketing. Apply: Classify various market types based on examples. Identify marketing activities around them (school events, local ads). Analyze: Compare product-centric vs customer-centric marketing approaches.
	May & June	Unit 1: Introduction to Marketing	Students will be able to: Remember: the characteristics and importance of modern marketing. Understand: the evolution of marketing (production, product, selling, marketing concept). The differentiation between traditional and modern marketing approaches. Apply: the acquired knowledge to prepare a short case about customer satisfaction and feedback. Analyze: Evaluate marketing's role in economic development. analyze real-life examples of successful and failed marketing approaches.
	June	SUMMER BREAK	
	July	Unit 2: Marketing Environment	Students will be able to: Remember: the definition of marketing environment, micro and macro factors. List factors such as demographic, political, economic, technological, and social. Understand: how marketing environment impacts decision-making. the importance of SWOT and PEST analysis. the difference between controllable and uncontrollable factors. Apply: Identify environmental factors influencing a product launch. Conduct SWOT analysis for a local brand. Categorize examples into internal/external environment.

			Analyze: Evaluate how competitors affect business strategy. Analyze how legal and political factors influence product pricing. Compare micro and macro environments using real brand examples.
	August	PERIODIC TEST-I	
	August	Unit 3 : Market Segmentation, Targeting, and Positioning (STP)	Students will be able to: Remember: The definition of segmentation, targeting, and positioning and list the bases of segmentation (geographic, demographic, psychographic, behavioral), examples of mass vs niche marketing Understand: The importance of positioning in brand perception, the need for market segmentation and the differentiation between undifferentiated, differentiated, and niche targeting strategies Apply: The acquired knowledge to create STP for a product like a mobile phone or snack brand and develop a positioning statement for a new product Analyze: The effectiveness of segmentation strategies and compare brand positioning of two competing brands ; Analyze gaps in market based on STP strategy
	September	REVISION & TERM-I EXAMINATION	

Applied Mathematics (241)

Book Prescribed: NCERT			
	Months	Content	Learning Outcomes
TERM-I	April	Chapter No. : 1 Sets	Students will be able to: Remember: The definition and notation of sets and different types of sets such as subsets, super sets and disjoint sets Understand: The concept of sets and comprehend set operations as union, intersection and difference Apply: Set operations to solve problems involving sets and use Venn diagrams to represent sets and solve problems Analyze: Sets to determine relationships between them
	May & June	Chapter No. : Relations	Students will be able to: Remember: Relations and its components (domain, co-domain and range) Understand: Cartesian product of two sets, the concept of relations and their representation Apply: The acquired knowledge to determine domain, co-domain and range of a given relation Analyze: Different relations to identify their properties and distinguish between relations and functions
		Chapter No. : 8 Sequence and Series	Students will be able to: Remember: The formulas for the nth term and sum of arithmetic and geometric sequence/series Understand: The concept of AM and GM Apply: The formulas of arithmetic and geometric series to model real-world solutions Analyze: The relationship between the terms in a sequence , AM and GM
		SUMMER BREAK	
	July	Chapter No. :9 Straight Lines	Students will be able to: Remember: The different forms of the equation of a straight line and the formulas for slope and distance Understand: The concept of slope and its relation to the angle of inclination

			Apply: The formulas and equations to find slope and distance between the lines Analyze: The relationship between two lines- parallel, perpendicular and intersecting
		Chapter No. : Circles	Students will be able to: Remember: The definition of circle and its properties Understand: The equations of circles - standard form and general form Apply: The acquired knowledge o find the radius, centre and equation of a circle Analyze: The position of a point relative to the circle (interior, exterior , or on the circle)
	August	PERIODIC TEST-I	
	August	Chapter No. : Numbers, Quantification and Numerical Applications	Students will be able to: Remember: The properties of number system, binary system and laws of exponents Understand: The laws of logaithm, concept of angle between two hands of a clock at a given time Apply: The acquired knowledge to calculate log, locate seating positions , finding angles and calculating surface area and volume of the solid shapes Analyze: The angular value of a minute and relationship between work and time
	September	REVISION & TERM-I EXAMINATION	

