Doon Public School

A New Generation Sr. Sec. School | Affiliated to CBSE

Sector 21, Panchkula - 134 112 (Haryana)

Class- XII (Commerce)
Syllabus for the Session 2026-27

English

Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM -I	**March - April & May**	Chapter No. 1: The Last Lesson (prose), Flamingo	**Students will be able to:** **Remember:** The theme and message and traits of Franz and M.Hamel **Understand:** The importance of one's own language, emotional state of M. Hamel **Apply:** Linguistic chauvinism and love for one's language in real life situation **Analyze:** The importance of a teacher in the life of a student
		Notice (Writing)	**Students will be able to:** **Remember:** The format and structure of the Notice **Understand:** The question and use W's properly **Apply**: Notice in real life scenario for effective communication **Analyze:** The appropriate use of language while doing the question
		Chapter No. 2: Lost Spring (Prose, Flamingo)	**Students will be able to:** **Remember:** Traits of Sahib and Mukesh, theme and message of the chapter **Understand**: Harsh realities of slum children, importance of childhood and those traditions that condemn slum children to a life of exploitation **Apply**: The gained knowledge and understanding of character's situation into real life situation and be empathetic **Analyze:** The circumstances and situation of both the protagonists and that society and political class only add to the sufferings of the slum and poor children .
		Chapter No. 3 : Deep Water (Prose, Flamingo)	**Students will be able to:** **Remember**: Autobiographical element of the author, theme, message and the chronological events of the chapter in detail **Understand**: That childhood fears must never be treated lightly, if not tackled properly they make deep inroads in one's psychology **Apply**: The instances in real life and overcome any hesitation or fear and success can be achieved at point of time in the life (Douglas) **Analyze**: The situation of Douglas underwater and his attempts to come on the surface
		Chapter No. 1: The Third Level (Prose, Vistas)	**Students will be able to:** **Remember:** The setting of the chapter, the chronological events of the story **Understand:** Psychological impact of world wars on people and concept of escapism through Charlie **Apply**: The gained knowledge through Charlie and Sam's character in understanding people's mental situation **Analyze:** Charlie's personality and impact of grandfather, pre and

			post-world war situations, in shaping his personality.
		Chapter No. 2: The Tiger King (Prose, Vistas)	**Students will be able to:** **Remember:** Pre independence era of royal families, theme and message of the chapter **Understand:** The character traits of the King, his motto of life and impact of prophecy in king's life **Apply:** The gained knowledge in real life situation and how the king lived and died just to challenge priest's prophecy **Analyze:** The character sketch of the king and his minister
		Chapter No. My Mother at Sixty Six (Poem , Flamingo)	**Students will be able to:** **Remember:** Theme, message and central idea of the poem **Understand**: Poetic devices used in the poem and that aging and death is inevitable **Apply:** The gained knowledge in cherishing the moments spent with loved ones and importance of living in present **Analyze:** The emotions and fear of losing the mother, bonding between mother- daughter, nostalgic childhood memories
		Letter to the Editor (Writing)	**Students will be able to:** **Remember:** The format of the letter **Understand**: The need and usage of the letter writing **Apply:** The learned skill to write letters and bring the issues into the limelight through letter writing **Analyze:** the importance of writing letters
	June	**SUMMER BREAK**	
	July	Chapter No. 4: The Rattrap (Flamingo, Prose)	**Students will be able to:** **Remember:** The chronological events of the fairy-tale story and traits of all the characters **Understand:** The metaphorical representation of rattrap **Apply:** The message and the moral of the story in real life ; convincing power **Analyze:** The fact that every human being has an essential goodness that can be awakened through understanding and love
		Chapter No. 5 Indigo (Flamingo, Prose)	**Students will be able to:** **Remember:** Political and social scenario (British, sharecroppers, chronological events) of that time **Understand:** Gandhian philosophy, nonviolence, justice for oppressed **Apply**: The philosophy that every movement can be made people's movement if there is unbreakable trust and faith. **Analyze:** Valuing the contribution of ordinary people in the freedom struggle
		Chapter No. 3: Journey to the End of the Earth	**Students will be able to:** **Remember:** The geological events during Gondwana land, flaura and fauna of that time **Understand:** The importance of Antarctica region for the existence of human beings **Apply:** The information of the chapter in preserving and conserving polar regions to ultimately preserving Earth **Analyze:** The grave situation of climate impact and immediate steps to be taken by us
		Invitation Writing, Article writing	**Students will be able to:** **Remember:** The various formats of formal and informal invitation writing and report writing **Understand:** The importance of crisp clear invitations and report writing **Apply:** The art of framing impressive invitations and reports **Analyze:** The challenges faced by reporters or media people

		Chapter No. – Poem Keeping Quiet (Flamingo)	**Students will be able to:** **Remember:** Theme, message and central idea of the poem **Understand:** Poetic devices used, interpretation, importance of introspection **Apply:** Introspection, brotherhood, process of healing and nature being the supreme teacher in real life **Analyze:** The power of introspection and global brotherhood
		Chapter No. – Poem A Thing of Beauty (Flamingo)	**Students will be able to:** **Remember:** The theme and message of the poem **Understand:** The healing power of Nature and that it always give solace **Apply:** The contextual knowledge of the poem in the real life situation and living a worthy life **Analyze:** The importance of Nature and the bounties we have
	August	**PERIODIC TEST I**	
		Chapter No. 4: The Enemy (Vistas)	**Students will be able to:** **Remember:** The theme message and traits of the Dr. Sadao **Understand:** The difference between a responsible citizen , true patriot and an ethical professionalism **Apply:** The fact that Personal and professional ethics are different but sometimes you have to rise above all as a human being **Analyze:** That choices shape us as an individual
		Report Writing	**Students will be able to:** **Remember:** The various formats of formal and informal invitation writing and report writing **Understand:** The importance of crisp clear invitations and report writing **Apply:** The art of framing impressive invitations and reports **Analyze:** The challenges faced by reporters or media people
		Chapter No. 5: On the Face of It. (Vistas)	**Students will be able to:** **Remember:** The characteristics of Derry and Lamb **Understand:** The pain of physical handicapped is far less than the sense of alienation they feel and society can help **Apply:** The understanding in being mindful and give space, opportunities , love, care to disabled people to help in their inclusion **Analyze:** The pain, agony and challenges faced by disabled people
		Chapter No. 6: Poets and Pancakes (Flamingo)	**Students will be able to:** **Remember:** The theme message and traits of the Subbu. **Understand:** The structure of the chapter, and that the course of the events is not in a storyline. **Apply:** The glimpses of office politics prevailing at every work place and learn to avoid it do your work sincerely **Analyze:** The various personalities in the chapter and that it's a small world
		Chapter No. 7: The Interview (Flamingo)	**Remember:** The various definitions of Interviews given by different poets **Understand:** The conversation and interview pattern **Apply:** The art of framing good questions to get the desirable answer and make people comfortable with your communication skills **Analyze:** The challenges faced by reporters or media people
	September	A Roadside Stand (Poem, Flamingo)	**Students will be able to:** **Remember:** Idea, theme and message of the poem **Understand:** The social division- poor and rich people **Apply:** The empathetic behaviour with others but not to involve to the extent wherein you suffer at the end **Analyze:** The easy lives of city dwellers and hardships in the lives of rural people

TERM -II	**October**	Chapter No. 8: Going Places (Flamingo)	**Students will be able to:** **Remember:** The theme, message and the incidents of the chapter in detail **Understand:** The strength of family bond, relationship and financial problems in a family **Apply**: The gained knowledge in differentiating between realistic and unrealistic dreams **Analyze:** The advantages and disadvantages of escapism, fantasy and hero worshiping
		Chapter No. 6 : Memories of Childhood(Vistas)	**Remember:** The theme, message and the incidents of the chapter in detail **Understand:** The teenage struggles, hero worshipping, escapism and unrealistic dream of the youngsters **Apply:**The psychological ideology of dreaming, escapism in understanding the teenagers and theirs struggles **Analyze:** The advantages and disadvantages of escapism, fantasy and hero worshiping
		Aunt Jennifer's Tiger (Poem, Flamingo)	**Students will be able to:** **Remember:** Idea, theme and message of the poem **Understand:** The central idea of the poem **Apply:** The understanding of the poem along with the poetic devices. **Analyze:**The sharp juxtaposition between Aunt Jennifer's 'terrified fluttering hands' and 'prancing proud unafraid'
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Accountancy

Book Prescribed: T. S. Grewal			
	Months	**Content**	**Learning Outcomes**
TERM -I	**March - April & May**	Chapter No. 1: Accounting for Partnership Firms- Fundamentals	**Students will be able to:** **Remember:** The concept of partnership, partnership firm & its characteristics, partnership deed & its contents. **Understand:** The provisions of the Indian Partnership Act, 1932 and the concepts of fixed and fluctuating capital accounts. **Apply:** Journal entries for partnership transactions and Calculate interest on partner's capital and drawings. **Analyze:** The impact of partnership deed provisions on financial statements
		Chapter No. 2: Goodwill-Nature and Valuation	**Students will be able to:** **Remember:** The term goodwill and recognize it as an intangible asset **Understand:** The nature and characteristics of goodwill and describe the reasons why goodwill arises in a business **Apply:** Various methods to calculate goodwill: Average Profit Method, Super Profit Method and Capitalization Method. **Analyze:** Different methods of goodwill valuation and evaluate their appropriateness and analyze the financial effect of goodwill adjustment on partner's capital accounts and on firm's profit

			distribution
		Chapter No. 3: Change in Profit Sharing Ratio and Introduction to Admission of a Partner	**Students will be able to:** **Remember:** The terms like sacrificing ratio, gaining ratio, goodwill, revaluation, and capital adjustment **Understand:** **T**he need and method for change in ratio and the accounting treatment for revaluation of assets and liabilities and the accounting implications along with the adjustment for goodwill and revaluation **Apply:** Revaluation Account and Partners' Capital Account and Compute the effect of change in ratio and calculate the new ratio, sacrificing ratio, goodwill and capital adjustments. **Analyze:** The financial implications of change in profit-sharing ratio.
	June	**SUMMER BREAK**	
	July	Chapter No. 4: Admission of a Partner	**Students will be able to:** **Remember:** The definition of admission of a partner and related concepts such as goodwill, sacrificing ratio, and revaluation **Understand:** The accounting treatment of goodwill, revaluation of assets and liabilities, reserves, and capital adjustment on admission **Apply:** The new profit-sharing ratio and sacrificing ratio and prepare journal entries, Revaluation Account, Partners' Capital Accounts, and Balance Sheet **Analyze:** The effect of admission on partners' capital and the firm's financial position
		Chapter No. 5 & 6: Retirement of a Partner & Death of a Partner	**Students will be able to:** **Remember:** The retirement, death, and related terms and Identify entries required for retiring partner's dues **Understand:** The treatment of goodwill, revaluation, and settlement along with the concept of gaining ratio, the process of settlement of a deceased partner's share **Apply:** Gaining ratio, retiring partner's share, and deceased partner's dues and prepare journal entries and accounts along with the accounting treatment for accumulated reserves **Analyze:** Retirement vs. death. Assess the impact of retirement/death on financial statements
		Chapter No. 7: Dissolution of Partnership Firm	**Students will be able to:** **Remember:** The concept of dissolution of firm and distinguish it from reconstitution and recall the order of settlement of liabilities **Understand:** The settlement process of assets and liabilities and the accounting procedure of Realisation Account **Apply:** Realisation Account, Partner's Capital and Bank Account and record journal entries for dissolution expenses **Analyze:** Dissolution with revaluation and retirement
	August	**PERIODIC TEST I**	
		Book 2 Chapter No. 1: Company Accounts - Share Capital	**Students will be able to:** **Remember:** The meaning of share and share capital, types of shares, and related terms and recall the meaning of over-subscription and under-subscription **Understand:** The process of issue, forfeiture, and reissue of shares **Apply:** Record journal entries for issue, forfeiture, and reissue and calculate amounts payable and called-up capital **Analyze:** The impact of forfeiture and reissue on financial position and evaluate company's capital structure through its share capital

		Chapter No. 2: Issue of Debentures	**Students will be able to:** **Remember:** The definition of debentures and terms like premium, discount, interest and identify types of debentures **Understand:** Types and accounting treatment for issue and redemption of debentures and understand terms like loss on issue, redemption at premium and Interpret treatment of interest on debentures **Apply:** Journal entries for issue, interest, and redemption and calculate interest on debentures under different cases **Analyze:** The long-term implications of financing through debentures and analyze cost-effectiveness of raising funds via debentures
TERM-II	**September**	Book 3 Chapter No. – 1 & 2 Financial Statements of a Company, Financial Statement Analysis	**Students will be able to:** **Remember:** the structure of Balance Sheet and Statement of Profit and Loss. The List of major headings and subheadings as per Schedule III. **Understand:** the components of financial statements as per Schedule III and the format and sequence of items. **Apply:** Prepare Balance Sheet and Statement of Profit and Loss. Classify items under correct heads and subheads. Apply adjustments to compute correct net profit. **Analyze:** the financial health using vertical and horizontal analysis and the relationship between assets and liabilities. Interpret net worth and profitability.
	October	Chapter No. – 3 & 4 Tools for Financial Statement Analysis, Accounting Ratios	**Students will be able to:** **Remember:** the meaning of financial statement analysis and Chart making, Data interpretation exercises, Group analysis its objectives. List of tools used for analyzing financial statements, such as comparative statements and ratio analysis. **Understand:** the significance of various financial ratios, including liquidity, solvency, activity, and profitability ratios and the limitations of financial statement analysis. **Apply:** Compute key financial ratios using provided financial data and prepare comparative and common-size financial statements. **Analyze:** Interpret the results of financial ratios to assess a company's performance and financial health and Compare financial ratios across companies and industries to evaluate relative performance.
		Chapter No. – 5 Cash Flow Statement	**Students will be able to:** **Remember:** the meaning and objectives of a cash flow statement and the components of cash flows: operating, investing, and financing activities. **Understand:** the indirect method of preparing a cash flow statement as per AS 3 (Revised) and the treatment of various adjustments, such as depreciation, amortization, and changes in working capital and the significance of cash and cash equivalents. **Apply:** Prepare a cash flow statement using the indirect method as per AS 3 (Revised), incorporating necessary adjustments. **Analyze:** Evaluate the liquidity and solvency position of a company based on its cash flow statement. Assess the operational efficiency of a firm through cash flow. Analyze how investment and financing decisions affect cash position.
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	

	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**
	February & March	**CBSE BOARD EXAMINATION**

Business Studies

Book Prescribed: Poonam Gandhi			
	Months	**Content**	**Learning Outcomes**
TERM-I	**March - April & May**	Chapter No.1 : Nature and Significance of Management	**Students will be able to:** **Remember:** The definition of management, its features, and objectives ; levels and functions of management **Understand:** The differentiation between effectiveness and efficiency and the importance of management in goal achievement **Apply:** Management practices in real organizations (e.g., hospitals, schools) and create a basic organizational hierarchy showing levels of management **Analyze:** The role of a manager (how he coordinate the activities of all departments)
		Chapter No.2 : Principles of Management	**Students will be able to:** **Remember:** Fayol's 14 principles and Taylor's techniques; differences between unity of direction and unity of command **Understand:** The practical utility of management principles; the relationship between principles and organizational efficiency and how Taylor's techniques reduce wastage **Apply**: Real-life situations to respective principles (case-based questions) **Analyze**: The approaches of Fayol and Taylor using tabular form and the adaptability of classical principles in start-ups
		Chapter No. 3: Business Environment	**Students will be able to:** **Remember:** The dimensions of the business environment and the features of the dynamic and complex nature of environment **Understand:** The importance of scanning the environment and how technological, economic, legal, social or political factors affect business **Apply:** The gained knowledge to relate and recent environmental changes affecting Indian companies and relate GST implementation to legal environment changes **Analyze:** The impact of pandemic or recession on business strategy and analyze business failures due to lack of environmental understanding.
		Chapter No. 4: Planning	**Students will be able to:** **Remember:** The concept of planning and its objectives, steps in the planning process and the types of plans **Understand**: The importance and limitations of planning, the relationship between planning and other functions, the types of plans using practical examples **Apply**: The gained knowledge to prepare a simple business plan for a classroom enterprise **Analyze**: Evaluate a real business plan and suggest improvements and analyze causes of planning failure in a given case
	June	**SUMMER BREAK**	

	July	Chapter No. 5 **:** Organising (Introduction, steps, importance, types)	**Students will be able to:** **Remember:** The concept of organizing and its importance and the steps in the process of organizing. **Understand:** Differentiation between functional and divisional structure **Apply:** The gained knowledge to use draw and label a functional organization chart **Analyze:** How structure affects coordination and efficiency
		Chapter No. 6: Staffing	**Students will be able to:** **Remember:** The steps in the staffing process, the definition of Recruitment, selection, training, and development **Understand:** Differentiation between on-the-job and off-the-job Training, the role of staffing in human capital formation **Apply:** The gained knowledge to create a resume or job advertisement **Analyze:** Internal vs. external sources of recruitment and a case where poor staffing led to employee turnover.
	August	**PERIODIC TEST I**	
		Chapter No. 8: Controlling	**Students will be able to:** **Remember:** The meaning, importance, and steps of controlling **Understand:** How controlling helps in achieving organizational goals and the relationship between planning and controlling **Apply:** The gained knowledge to set performance standards and track results for a classroom activity **Analyze:** Reasons for deviations in actual vs. planned performance
		Chapter No. 12: Consumer Protection	**Students will be able to:** **Remember:** The List of consumer rights and responsibilities and the features of Consumer Protection Act 2019 **Understand:** The role of NGOs in consumer protection and the responsibilities of consumers in the market **Apply:** The gained knowledge to draft a formal consumer complaint letter **Analyze:** A real case of consumer exploitation. Evaluate the effectiveness of redressal mechanisms in India
		Chapter No. 7: Directing	**Students will be able to:** **Remember:** The elements of directing: supervision, motivation, leadership, communication **Understand:** The need and role of motivation in the workplace and the importance of communication and leadership **Apply:** Motivation techniques used in real workplaces and create posters illustrating effective communication **Analyze:** Outcomes of democratic vs. autocratic leadership in teams and analyze communication breakdown in case studies
	September	Chapter No. 9: Financial Management	**Students will be able to:** **Remember:** the definition of financial management and its objectives. the financial decisions: investment, financing, and dividend. The factors affecting capital structure and fixed capital. **Understand:** the importance of financial planning. The difference between short-term and long-term financial decisions. how financial decisions impact business objectives. **Apply:** Illustrate investment decision-making using a numerical example. Apply financial concepts in preparing a business's financial plan. **Analyze:** Compare effects of different capital structures on profitability. Evaluate financing decisions using cost-benefit analysis. Analyze how dividend decisions affect shareholder value.

TERM-II	**October**	Chapter No. 10: Financial Market	**Students will be able to:** **Remember:** the concept of capital and money markets. Recall the structure and functions of stock exchanges. The components of financial market: primary and secondary. **Understand:** the role of SEBI in investor protection. The functions of financial markets in economic development. **Apply:** Complete a project on BSE/NSE listing process. Track share prices over time and analyze trends. **Analyze:** Compare capital and money markets with examples. Analyze the impact of stock market fluctuations on investor decisions. Evaluate role of SEBI in regulating fraud and insider trading.
		Chapter No. 12: Consumer Protection	**Students will be able to:** **Remember:** The list of consumer rights and responsibilities. the features of Consumer Protection Act 2019 **Understand:** The role of NGOs in consumer protection and the responsibilities of consumers in the market and the procedure for filing a complaint. **Apply:** The gained knowledge to draft a formal consumer complaint letter and identify misleading ads and file a mock complaint **Analyze:** A real case of consumer exploitation and evaluate the effectiveness of redressal mechanisms in India
		Chapter No. 11: Marketing Management	**Students will be able to:** **Remember:** The concept of marketing and marketing management along with marketing philosophies **Understand:** The difference between selling and marketing. The functions of marketing with real examples and the factors affecting pricing decisions and decisions related to distribution channels **Apply:** The gained knowledge to create a marketing strategy for a product made in class **Analyze:** Strategies of two competing brands and analyze how a wrong pricing or product decision affects customer perception
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
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Economics

Book Prescribed: Sandeep Garg			
	Months	**Content**	**Learning Outcomes**
TERM-I	**March - April & May**	Chapter No. 3 & 4: National income and related aggregates (Macro Economics)	**Students will be able to:** **Remember**: The key terms like GDP, NDP, GNP, NNP, factor cost, market price, etc. **Understand**: The concepts of GDP, GNP, and national income **Apply:** The acquired knowledge to calculate national income using Value Added (Product) Method, Income Method and Expenditure Method **Analyze**: The National Income of India
		Chapter No. 1: Indian Economy on the eve of independence (Indian Economy)	**Students will be able to:** **Remember**: Key terms like stagnation, colonial rule, deindustrialization, demographic profile, occupational structure **Understand**: The impact of British policies on agriculture, industry, and trade **Apply**: The acquired knowledge to compare pre and post-independence economic conditions **Analyze:** How colonial exploitation led to backwardness in key sectors of the Indian economy
		Chapter No. 1 & 2: Basic concepts of Macroeconomics (Macro Economics)	**Students will be able to:** **Remember:** Basic terms like microeconomics, macroeconomics, stock vs flow, economic agents, planned vs actual values **Understand:** Concepts of macroeconomics, circular flow of income, economic variables, and sectors of the economy **Apply:** The concepts to identify stock and flow variables, distinguish between ex-ante and ex-post, and interpret circular flow diagrams **Analyze:** The relationships between different sectors (households, firms, government, foreign sector) and their impact on the economy
		Chapter No. 2 & 3: Indian economy (1950-1990), LPG an appraisal (Indian Economy)	**Students will be able to:** **Remember:** Key terms like planning, public sector, mixed economy, import substitution, liberalisation, privatisation, globalisation **Understand:** The goals of Five-Year Plans, role of the public sector, and need for economic reforms in 1991 **Apply:** The acquired knowledge to understand and compare pre- and post-reform economic policies and their outcomes **Analyze:** The strengths and limitations of economic policies from 1950–1990 and the impact of LPG reforms on growth, inequality, and global integration
	June	**SUMMER BREAK**	
	July	Chapter No. 7 to 9: Aggregate demand and supply, Income determination and multiplier, Excess demand and deficient demand (Macro Economics)	**Students will be able to:** **Remember:** Key terms like Aggregate Demand (AD), Aggregate Supply (AS), Consumption Function, Investment, Equilibrium Level of Income, Multiplier, Excess Demand, Deficient Demand **Understand:** The relationship between AD and AS, the working of the multiplier, and causes/effects of excess and deficient demand **Apply:** Formulas to calculate equilibrium income, multiplier effect, and impact of government policies on income and output **Analyze:** The role of AD-AS interaction in income determination and how fiscal and monetary policies correct demand imbalances

		Chapter No. 5 & 6: Money and Banking (Macro Economics)	**Students will be able to:** **Remember**: The key terms like money, CRR, SLR, repo rate, reverse repo, high-powered money, money supply (M1, M3), etc. **Understand**: The functions of money, credit creation, and role of the Central Bank **Apply**: The process of Credit creation and monetary policy tools (CRR, repo, etc.) **Analyze**: The impact of monetary policy on inflation and liquidity
	August	**PERIODIC TEST I**	
		Chapter 4: Human capital formation (Indian Economy)	**Students will be able to:** **Remember:** Key terms like human capital, investment in education and health, skill development, physical vs human capital **Understand:** The role of education and health in developing human capital and enhancing productivity **Apply:** Concepts to assess the importance of government spending on education, healthcare, and skill development **Analyze:** How human capital impacts economic growth, reduces inequality, and improves quality of life in India
	September	Chapter 12 : Balance of payments	Students will be able to: **Remember:** Key terms like Balance of Trade (BOT), Balance of Payments (BOP), current account, capital account, autonomous and accommodating items. **Understand:** The structure and components of BOP, and differentiate between current and capital account transactions. **Apply:** The acquired knowledge to identify causes of BOP surplus/deficit and relate real-world transactions to respective BOP component **Analyze:** The implications of a BOP deficit or surplus on the economy, and assess the role of foreign exchange reserves and policy measures
TERM-II		Chapter 8 : Comparative development experiences	**Students will be able to:** **Remember:**Key terms like GDP growth, HDI, demographic trends, sectoral contribution, trade, health and education indicators **Understand:** The development strategies of India, China, and Pakistan, and the indicators used to measure development **Apply:** The gained knowledge to assess Comparative data of each country's economic progress and policy effectiveness **Analyze:** The strengths, weaknesses, and policy differences among the three countries in achieving sustainable development
		Chapter 5 : Environment and sustainable development (Indian Economy)	**Students will be able to:** **Remember**:Key terms like sustainable development, carrying capacity, pollution, global warming, renewable resources, externalities **Understand:** The relationship between environment and economy, and the need for sustainable development **Apply:** The concept of sustainability to real-life scenarios like waste management, pollution control, and use of renewables **Analyze:** The trade-offs between economic growth and environmental conservation; evaluate India's environmental policies
	October	Chapter 10 : Government Budget (Macro Economics)	**Students will be able to:Students will be able to:** **Remember:**Key terms like revenue/expenditure, fiscal deficit, revenue deficit, capital budget, budget receipts, direct and indirect taxesRemember:Key terms like revenue/expenditure, fiscal deficit, revenue deficit, capital budget, budget receipts, direct and indirect taxes

			Understand: The structure, objectives, and components of the government budget; differentiate between types of deficits **Apply:** Formulas to calculate fiscal and revenue deficit; interpret government priorities from budget allocations **Analyze:** The impact of budgetary policies on economic stability, growth, redistribution of income, and allocation of resources.
		Chapter 6 & 7 : Employment: Growth, Informalisation and Other Issues (Indian Economy)	**Students will be able to:** **Remember:**Key terms like worker, labour force, unemployment, disguised unemployment, informal sector, jobless growth **Understand:** Different types of employment and unemployment, and the distinction between formal and informal sectors **Apply:** Statistical tools to interpret employment data and understand employment trends across sectors **Analyze:** The causes and implications of informalization, unemployment, and sectoral shifts in employment
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
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Political Science

Book Prescribed: Part -A Contemporary World Politics, PART- B Politics In India Since Independence			
	Months	**Content**	**Learning Outcomes**
TERM-I	**March - April & May**	Chapter No. :1 End of Bipolarity (Contemporary World Politics)	**Students will be able to:** **Remember**: The background and outcome of disintegration of the Soviet Union **Understand**: The consequences of a unipolar world **Apply**: The features of Shock Therapy **Analyse:** The developments between India & Russia
		Chapter No. 2: (Part-A) Contemporary Centres of Power	**Students will be able to:** **Remember:** Key countries and groups like China, EU, ASEAN and BRICS **Understand:** How these centers influence global political and economic system **Apply**: The role of emerging powers to current global developments **Analyse:** The impact of new power centers on world order and India's relations
		Chapter No. 3: (Part-A) Contemporary South Asia	**Students will be able to:** **Remember:** Major countries, conflicts, and events in South Asia **Understand:** Political systems and issues like democracy, conflict, and cooperation in the region **Apply:** The gained knowledge to relate regional developments to current affairs in South Asia **Analyze:** The relationships and conflicts among South Asian

			countries and their impact
		Chapter No. 1: (Part-B) Challenges of Nation - Building	**Students will be able to:** **Remember:** Key challenges after independence included partition, integration of princely states, and creating a stable government **Understand:** Nation-building requires unity, democracy, and development despite diversity and conflict **Apply**: These ideas help explain how countries today manage diversity and political stability. **Analyze**: The success of nation-building depended on leadership, policies, and handling social divisions effectively
		Chapter No. 2: (Part- B) Era of one Party Dominance	**Students will be able to:** **Remember**: The Indian National Congress dominated Indian politics from 1952 to 1967 **Understand:** One-party dominance existed because of Congress's strong leadership, freedom struggle legacy, and weak opposition **Apply**: How dominant parties can shape political systems in new democracies **Analyze**: While dominance ensured stability, it also limited strong opposition and competitive democracy
	June	**SUMMER BREAK**	
	July	Chapter No. 3: (Part -B) Politics of Planned Development	**Students will be able to:** **Remember: T**he meaning and key features of planned development **Understand: H**ow political factors influence development planning **Apply:** Planned development concepts to real-world examples like India's planning system **Analyze:** How different political interests shape development outcomes
		Chapter No. 4: (Part -A) International Organisations	**Students will be able to:** **Remember**: Key international organizations involved in development **Understand :** The roles of the World Bank, International Monetary Fund, and United Nations **Apply:** The functions of these organisations to real-world development issues **Analyze:** The impact of international organisations on global development policies
		Chapter No.5: (Part-A) Security in the contemporary world	**Students will be able to:** **Remember:** Security and identify its types (traditional and non-traditional) **Understand:** How security threats have evolved in the contemporary world **Apply:** The gained knowledge to relate security concepts to real-life situations like cyber safety or disaster management **Analyze:** Different security challenges and evaluate their impact on societies and nations

		Chapter No.4: (Part-B) India's External Relations	**Students will be able to:** **Remember**: Key features and partners in India's external relations **Understand: T**he principles guiding India's foreign policy **Apply:** India's external relations to current global events and diplomacy **Analyze: T**he impact of India's relations with other countries on global and regional politics
	August	**PERIODIC TEST I**	
		Chapter No. 5: (Part-B) Challenges to and Restoration of the Congress System	**Students will be able to:** **Remember**: The Indian National Congress dominated Indian politics after independence as an umbrella party **Understand:** The Congress System declined due to social changes, internal conflicts, and rising opposition forces **Apply:** The gained knowledge to explain the shift from one-party dominance to coalition and leader-centered politics in India. **Analyze:** The restoration under Indira Gandhi was centralized and leader-driven rather than the earlier consensus-based system
		Chapter No. 6: The Crisis of Democratic Order	**Students will be able to:** **Remember:** The Crisis of Democratic Order refers to political instability in India during the 1970s, especially around the The Emergency (India 1975–77)E **Understand**: Economic problems, political unrest, and challenges to the leadership of Indira Gandhi **Apply:** How democratic institutions can weaken under pressure and concentration of power **Analyze:** The crisis showed a shift toward authoritarianism, highlighting the importance of safeguarding democratic rights and institutions.
	September	Chapter No. 6: (Part-A) Environment and Natural Resources	**Students will be able to:** **Remember:** The environment and natural resources include land, water, forests, and biodiversity essential for human survival and development. **Understand:** The overuse and industrial growth lead to environmental problems like pollution, deforestation, and climate change **Apply**: The concept helps in promoting sustainable development and conservation practices in daily life and policy-making. **Analyze :**The conflict between development and conservation, stressing the need for balanced and sustainable resource use.
TERM-II		Chapter No. 7: (Part -A): Globalisation	**Students will be able to:** **Remember:** The concept of globalisation and its increasing interconnection of countries through trade, technology, and communication. **Understand:** How it is driven by economic policies, multinational companies, and advancements in transport and communication**.** **Apply:** The knowledge to explain the flow of goods, ideas, and culture across countries in today's world. **Analyze:** How globalisation creates both opportunities for growth and challenges like inequality and cultural impact**.**

	October	Chapter No. 7: (Part- B) Regional Aspirations	**Students will be able to:** **Remember:** The key concepts referring to the demands of different regions for identity, autonomy, and development within a country. **Understand:** The arise due to cultural differences, economic inequality, and political neglec**t.** **Apply:**The gained knowledge to explain movements for statehood, autonomy, or special rights in various regions. **Analyze:**How regional aspirations can strengthen unity if addressed properly but may lead to conflict if ignored
		Chapter No. 8: (Part -B) :Regional Developments in Indian Politics	**Students will be able to:** **Remember:**The key facts of regional developments in Indian politics and how it refer to the rise and influence of regional parties in different states**.** **Understan**d:The reason of it growth due to regional identity, economic disparities, and decline of Indian National Congress dominance. **Apply:**How it helps to explain coalition governments and the importance of state-level politics in India. **Analyze**: How the regional developments strengthened federalism but also made national politics more fragmented.
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Painting

Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM-I		The Rajasthani School of Miniature Paintings	**Students will be able to:** **Remember**:The key features of the Rajasthani School and its sub-schools (e.g., Mewar, Bikaner, Bundi, Kishangarh, etc.). **Understand:** The cultural, political, and religious influences that shaped the Rajasthani miniature style and the use of colour, form, and iconography in typical Rajasthani miniatures **Apply:** The acquired knowledge of Rajasthani miniature paintings with other regional styles in terms of technique and thematic content **Analyze**: The contribution of the Rajasthani School to Indian art history and the aesthetic and historical significance of specific artworks from this tradition

	March - April & May	The Pahari School Of Miniature Paintings	**Students will be able to:** **Remember**: The key characteristics of the Pahari School and its subdivisions (e.g., Basholi, Kangra, Guler, etc.) and list the prominent themes, styles, and artists associated with this school **Understand:** How the Pahari School was influenced by local culture, natural surroundings, and literary sources and explain stylistic elements such as facial features, landscape depiction, and color usage **Apply:** The gained knowledge to select paintings from the Pahari School to understand their themes and techniques **Analyze:** The difference between different Pahari sub-schools through critical visual examination and assess the school's artistic contribution in the context of Indian miniature painting Traditions
	JUNE	**SUMMER BREAK**	
	July	The Mughal School of miniature painting	**Students will be able to:** **Remember:** The historical background and emergence of the Mughal School under the patronage of Mughal emperors and identify prominent artists, themes, and notable artworks associated with the Mughal School. **Understand**: The stylistic features of Mughal miniatures such as naturalism, perspective, detailed human figures, and decorative borders. **Apply:** The knowledge to compare and contrast Mughal miniatures with other contemporary schools of painting. **Analyze**: The contributions of major Mughal emperors such as Akbar, Jahangir, and Shah Jahan in the patronage of art.
	August	**PERIODIC TEST I**	
		The Deccan School of miniature painting	**Students will be able to:** **Remember:** The regional centers of Deccan painting such as Ahmednagar, Bijapur, and Golconda. **Understand:** The features of Deccan paintings including rich color palettes, fantastic landscapes, and ornate costumes. **Apply**: The Deccan miniatures with those of the Mughal and Rajput schools. **Analyze:** The influence of Persian, Turkish, and local traditions in Deccan artwork; significance of patronage under regional sultanates in shaping the aesthetics of the Deccan School.
TERM –II	**September**	The National Flag and The Bengal School of Miniature Painting	**Students will be able to**: **Remember**: The history and evolution of the Indian National Flag and the symbols, colours, and their meanings in the National Flag **Understand:** The importance of the National Flag as a symbol of unity and freedom and the characteristics, themes, and techniques of The Bengal School of Painting **Apply**: The gained knowledge to create artworks inspired by the style of The Bengal School using Indian themes and soft colour tones and prepare a short presentation or chart on artists like Abanindranath Tagore and Nandalal Bose **Analyze**: How the Bengal School contributed to the revival of Indian art and national identity and analyse the symbolic use of colour, mood, and composition in selected paintings of the Bengal School
		The National Flag and The Bengal School of Miniature Painting	**Students will be able to**: **Remember**: The history and evolution of the Indian National Flag and the symbols, colours, and their meanings in the National Flag **Understand:** The importance of the National Flag as a symbol of unity and freedom and the characteristics, themes, and techniques of The Bengal School of Painting

	October		**Apply**: The gained knowledge to create artworks inspired by the style of The Bengal School using Indian themes and soft colour tones and prepare a short presentation or chart on artists like Abanindranath Tagore and Nandalal Bose **Analyze**: How the Bengal School contributed to the revival of Indian art and national identity and analyse the symbolic use of colour, mood, and composition in selected paintings of the Bengal School
		The Modern Trends of Indian Art	**Students will be able to:** **Remember:** The beginning and development of modern art movements in India, prominent modern Indian artists such as Amrita Sher-Gil, M.F. Husain, S.H. Raza, and F.N. Souza and their contributions **Understand:** How social, political, and cultural changes influenced modern Indian art **Apply:** The gained knowledge to prepare charts or visual timelines showing the evolution of modern Indian art **Analyze**: The impact of Indian modern art on contemporary art practices
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Computer Science

Book Prescribed: Computer Science with Python (Sumita Arora - Dhanpat Rai Pub.)			
	Months	**Content**	**Learning Outcomes**
TERM -I	**March - April & May**	Chapter No. 8 : Computer network- I	**Students will be able to:** **Remember:** Fundamentals requirements and application of Networking **Understand:** How data is transferred in a network **Apply:** The skill to demonstrate how to connect computers in a simple network **Analyze:** The advantages and disadvantages of different network topologies
		Chapter No. 9: Computer network- II	**Students will be able to:** **Remember**: The steps of networking devices such as router, switch, hub, modem, etc **Understand:** How a basic network setup works **Apply:** Appropriate protocols for specific network tasks (e.g., using FTP to transfer files).Set up a basic wireless network using a router and wireless devices. **Analyze:** The suitability of various network protocols .

		Chapter No. 1 : Python Revision Tour -I	**Students will be able to:** **Remember:** Token, Flow of control and looping statements **Understand**: Describe the difference between entry-controlled & count-controlled loops, use of break and continue within loops and execution flow of conditional statements. **Apply:** Solve simple real-life problems using loops. **Analyze:** Debug and correct logic errors in programs involving loops or conditions. Trace the flow of execution in nested conditional or looping structures.
		Chapter No. 2: Python Revision Tour -II	**Students will be able to:** **Remember:** List, Tuple, strings, tuples, and dictionaries in Python and built-in functions. **Understand:** Explain how dictionaries store data in key-value pairs. Python code that uses loops to access elements in lists, tuples, or dictionaries. **Apply:** Python programs to perform basic operations (add, delete, modify) on lists, tuples, and dictionaries. **Analyze**: A given piece of code and predict the output or detect logical errors.
	June	**SUMMER BREAK**	
	July	Chapter No. 10: Relational Databases	**Students will be able to:** **Remember:** The key terms such as database, table, record, field, primary key, and foreign key.List common relational database management systems (RDBMS), e.g., MySQL, SQLite, PostgreSQL.Recall SQL commands like SELECT, INSERT, UPDATE, DELETE **Understand:** The structure of a relational database and how data is stored in tables **Apply:** The gained knowledge to create and modify simple relational database tables using SQL. Write and execute SQL queries to insert, retrieve, and manipulate data **Analyze: T**he relationship type (one-to-one, one-to-many, many-to-many) between tables
		Chapter No. 11: Simple Queries in SQL	**Students will be able to:** **Remember**: The basic SQL commands (e.g., SELECT, FROM, WHERE, ORDER BY, DISTINCT) **Understand:** How the SELECT statement retrieves data from a database **Apply:** The knowledge to write steps for basic SQL queries to retrieve specific data from a table. **Analyze**: The conditions in WHERE clause to filter results Appropriately
		Chapter No. 12: Table Creation and data manipulation Commands	**Students will be able to:** **Remember:** SQL and its purpose.List common Data Definition Language (DDL) and Data Manipulation Language (DML) commands. Interpret the syntax of commands like CREATE TABLE, INSERT, UPDATE, DELETE, and SELECT." **Understand:** The difference between DDL and DML. **Apply**: The knowledge to retrieve data using the SELECT command with different clauses (e.g., WHERE, ORDER BY). **Analyze:** The impact of constraints like PRIMARY KEY, NOT NULL, and UNIQUE on data integrity
		PERIODIC TEST I	

	August	Chapter No. 13: Grouping Records , Joins in SQL	**Students will be able to:** **Remember:** The purpose of GROUP BY, HAVING, and different types of SQL joins (INNER, LEFT, RIGHT, FULL) **Understand:** The difference between WHERE and HAVING clauses ; distinguish among the various types of joins and when to use each, interpret the results of grouped queries and joined tables. **Apply:** The knowledge to solve real-life problems involving data summarization and table relationships. **Analyze:** The meaning of query performance and optimize SQL statements for better results.
		Chapter No. 3: Working with Function	**Students will be able to:** **Remember:** The key terms related to functions such as function, parameter, argument, return value, etc. List different types of functions (e.g., built-in vs. user-defined).Recall the syntax for defining and calling a function in a programming language (e.g., Python, Java). **Understand:** How parameters and arguments work in function calls **Apply:** The simple functions to perform specific tasks (e.g., add two numbers, check even/odd, calculate area) **Analyze:** The errors or issues in function definitions or function calls. Break a complex problem into smaller sub-problems using functions.
TERM -II	**September**	Chapter No. 4 : Using Python Libraries	**Students will be able to:** **Remember:** What a Python library or module is. Recall common libraries such as math, random, and datetime **Understand:** Purpose of using libraries in Python programming **Apply:** The gained knowledge to use specific functions from libraries to solve problems (e.g., generating random numbers, performing mathematical calculations) **Analyze**: Examine code to determine how library functions are being used.
		Chapter No. - 6 Exception Handling in Python	**Students will be able to:** **Remember:** Exceptions and error types in Python **Understand:** The flow of control in a try-except block **Apply:** The gained knowledge to write Python code using try-except blocks to handle exceptions **Analyze:** Error identification in Python code and suggest appropriate exception handling mechanisms
	October	Chapter No. :5 File Handling	**Students will be able to:** **Remember**: File handling and its importance in programming and different modes of file access (read, write, append, etc.) **Understand:** How file input and output operations work and describe the differences between text and binary files **Apply**: The gained knowledge for file handling to store and retrieve data in real-world scenarios (e.g., reading from a data file) **Analyze:** Programs of binary and text files
		Chapter No. :7 Data Structure	**Students will be able to:** **Remember**: The terms push, pop, peek, and LIFO (Last In, First Out) **Understand:** The working principle of a stack **Apply:** The gained knowledge to implement stack operations using Python lists **Analyze:** Stack-based implementations and trace the order of execution
		Chapter No. :14 Interface Python with MYSQL	**Students will be able to:** **Remember**: Key terms such as MySQL, database, table, cursor, connection, and query and identify Python libraries/modules used for MySQL connectivity (e.g., mysql.connector)

			Understand: The process of connecting Python with a MySQL database **Apply:** The gained knowledge to establish a connection between Python and MySQL using mysql.connector **Analyze**: Different methods of executing queries and retrieving results e.g., fetchone(), fetchall()
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Physical Education

Book Prescribed: S.P Book			
	Months	**Content**	**Learning Outcomes**
TERM -I	**March - April & May**	UNIT-1 Management of sporting events	**Students will be able to:** **Remember:** Key terms related to event management; Recall different types of sporting events and the stages of event planning **Understand:** The principles of event management within the context of sports and connection between sport, culture, and community development through events **Apply:** The gained knowledge to use management principles to design an organizational chart for a sports event ; apply risk management techniques to real-life sports scenarios **Analyze**: The effectiveness of past sporting events in terms of logistics, audience engagement, and media coverage and identify challenges in managing sporting events and propose solutions
		UNIT-2 Children and Women in Sports	**Students will be able to:** **Remember:** Policies and programs that support children and women in sports and define key terms related to gender equity and youth participation in sports **Understand:** The physical, psychological, and social benefits of sports for children and women and the developmental considerations in training children in sports **Apply:** Gained knowledge to design a basic training schedule tailored for children or female athletes and apply principles of inclusivity and safety in planning physical activities **Analyze:** The impact of social, cultural, and economic factors on women's involvement in sports and evaluate the effectiveness of government policies or school

			programs promoting sports among children and women
		UNIT-10 Training in sports	**Students will be able to:** **Remember:** The concept of term training in the context of sports, different types of training and basic training principles **Understand:** The objectives and importance of training in enhancing sports performance and the role of warm-up, cool-down, and recovery in training sessions **Apply:** The gained knowledge to design a basic weekly training plan for an athlete in a specific sport and demonstrate proper techniques for basic strength or endurance exercises **Analyze:** The common training errors or injuries , the training needs of athletes from different sports and the effectiveness of a given training plan using performance outcomes.
	June	**SUMMER BREAK**	
	July	UNIT-4 Physical education and sports for CWSN (Children with special needs -divyang)	**Students will be able to:** **Remember:** The meaning of CWSN, types of disabilities, paralympics and Special Olympics **Understand:** The importance of inclusion, physical activity benefits, the roles of schools, teachers, and families **Apply:** Inclusive activities , modify games for accessibility, and promote team spirit and acceptance for CWSN **Analyze:** The barriers for CWSN, sports' role in inclusion, and reflect on successful CWSN athletes and programs
		UNIT-5 Sports and Nutrition	**Students will be able to:** **Remember:** The meaning of nutrition, nutrients its sources, importance of hydration, dietary supplements **Understand:** The importance of nutrition and its impact in recovery, endurance **Apply:** Tailored nutritional and hydration plans for athletes **Analyze**: The sports nutrition strategies, poor nutrition's impact
	August	**PERIODIC TEST I**	
		UNIT-6 Test and measurement in sports	**Students will be able to:** **Remember:** The meaning of test, measurement, and evaluation in sports **Understand:** The purpose of fitness and skill tests, how to calculate results, and interpret scores against standards **Apply:** The use of test outcomes to design training programs with techniques suited to the sports **Analyze:** Different tests to evaluate overall fitness and its relation to sports performance
		UNIT-7 Physiology and injuries in sports	**Students will be able to:** **Remember:** The meaning of physiology, sports injuries, types of injuries **Understand:** The physiological responses to exercise and body's recovery process and the importance of preventive measures **Apply:** First aid techniques to the injuries, manage

			fatigue and recovery, and recommend safe practices and equipment **Analyze:** The difference between acute versus chronic injuries causes of injury, access injury-prone areas
	September	Unit-3 Yoga as preventing measure for lifestyle disease	**Students will be able to:** **Remember:** Key terms - Lifestyle diseases, preventive yoga asanas, sedentary lifestyles and yogic practices **Understand:** How yoga helps in preventing lifestyle-related diseases, physiological and psychological benefits of regular yoga practice **Apply:** The gained knowledge to demonstrate specific yoga asanas and yogic principles that help in managing time, diet, stress levels and prevent common lifestyle disorders **Analyze:** The effectiveness of yoga with other forms of exercise in preventing diseases and the role of yoga in public health and wellness initiatives
TERM-II	**October**	Unit-8 Biomechanics and sports	**Students will be able to:** **Remember:** Basic terms - Motion, force, equilibrium, and friction, biomechanics and its importance in sports, list types of movements (linear, angular, and general motion) and the laws of motion relevant to physical activities **Understand:** How biomechanics improves athletic performance and how forces act on the human body during movement; the relationship between stability and balance in sports and the role of friction and gravity in different sports scenarios **Apply:** The gained knowledge to use the concept of center of gravity and base of support in balance-related sports and demonstrate correct body posture and movement using biomechanical principles **Analyze:** How biomechanical principles reduce the risk of injury and break down complex movements into simpler biomechanical components
		UNIT-9 Psychology and sports	Students will be able to: **Remember:** Key terms such as motivation, personality, and mental preparation and list types of motivation **Understand:** The impact of motivation and personality on sports performance and the relationship between psychological state and performance **Apply:** Motivation techniques to improve individual or team performance and use concentration and relaxation strategies in sports situations **Analyze:** How personality types affect team dynamics and individual performance and examine the role of psychology in managing stress and pressure during competitions
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Hindustani Music Vocal

Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM-I	**March - April & May**	Unit 1 Brief study of the following: - Alankar	**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 Alankars to create different types of Alankars according to taals **Analyze**: The structure and composition of Hindustani Music pieces
		Unit 1.1& 1.2 Brief study of the following:- Kan, Meend,Khatka, Murki,Gamak,Gram, Murchhana,Alap, Tana.	**Students will be able to:** **Remember:**Key terms related to Hindustani Music (e.g., raga, tala, swara, laya) Memorize the sequence and use of different swaras in Gram and Murchhana **Understand:**The difference between soft and forceful ornamentation techniques **Apply:**The acquired knowledge about these terms to make singing more attractive and effective **Analyze:**The examples of singing and identify which technique is being used
		Unit 5 Critical study of Prescribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them. Unit 5.1 Writing in Notation the compositions of Prescribed Raga Bhairav.	**Students will be able to:** **Remember:** The Aaroha, Avaroha, Vadi–Samvadi, Jati, and time of performance of Ragas Bhairav, Bageshri, and Malkauns **Understand**: How swara phrases bring out the identity of a raga **Apply**: The gained knowledge to recognize ragas when given short phrases of swaras and write the compositions of Bhairav in proper notation **Analyze:** How the use of specific swaras (komal/tivra) creates distinct identities of Bhairav.
		Unit 2 Historical development of Time Theory of Ragas	**Students will be able to:** **Remember:**Key milestones in the historical development of Hindustani music's time theory of ragas **Understand**:The significance of time theory in Hindustani Music **Apply**:The acquired knowledge of time theory in performances **Analyze:**The impact of the theory on raga performance practices
	June	**SUMMER BREAK**	
	July	Unit 4 Description of Prescribed Talas along with TalaNotation with Thah, Dugun, Tigun and Chaugun Jhaptala, Rupak, Dhamar	**Students will be able to:** **Remember:** The number of Beats (matras),Vibhags (divisions),and the Theka (basic bols) of Jhaptaal , Rupak Taal,and Dhamar Taal. Indentify the Claps (taali) and Waves (khali) of each taal. **Understand:** The structure and characteristics of each taal.The traditional usage of each taal in compositions (e.g.,Khayal, Dhrupad,Taranas). **Apply:**The thekas of all the three taals with properhand gestures (taali and khali). **Analyze:** A musical piece to identify which taal is being used and how it enhances the composition.

		Chapter No. Unit-3.2 Life sketch and Contribution of Faiyaz Khan , Bade Ghulam Ali Khan , Pandit Krishna Rao Shankar , Ajay Chakraborti	**Students will be able to:** **Remember:** Important facts ,authors, time periods,and structural elements of Sangeet Ratnakar and Sangeet Parijat.The major milestones in the lives of Faiyaz Khan , Bade Ghulam Ali Khan, and Krishan Rao Shankar Pandit,Ajay Chakraborti. **Understand:**The significance of Sangeet Ratnakar and Sangeet Parijat in the development of Indian classical music theory. The musical style and contributions of the three musicians in the context of their gharanas and eras. **Apply:**Theoretical concepts from the granths and musician's style can be connected to the principal discussed in classical texts. **Analyze**:The approaches of Sangeet Ratnakar and Sangeet Parijat The influences and legacy of three musician's on hindustani classical music ,including their impact on future generations.
	August	**PERIODIC TEST I**	
		Chapter No. –Unit3.1 Name of the Topic:- Detail study of the following:- Sangeet Ratnakar, Sangeet Parijat	**Students will be able to:** **Remember:** Sangeet Ratnakar was written by Pt. Sharngadeva in the 13th century, and Sangeet Parijat by Pt. Ahobala in the 17th century. **Understand:** Sangeet Ratnakar links the ancient Natyashastra tradition to later Hindustani and Carnatic music, while Sangeet Parijat fixed swara positions on the veena by string length. **Apply:** Use the shruti-swara placement from these texts to explain the swaras and ragas used in present-day practice. **Analyze:** Compare the two texts to see how swara-shruti theory developed from Natyashastra to Ratnakar to Parijat.
	September	Chapter No.- Unit 5& 5.1 Critical study of Presicribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them. Writing in Notation the Compositions of Prescribed Raga Bageshari.	**Students will be able to:** **Remember:**The Aaroha, Avaroha, Vadi–Samvadi, Jati, and time of performance of Raga Bageshri. **Understand:**How swara phrases bring out the identity of a raga **Apply:** The gained knowldge to recognize ragas when given short phrases of swaras and write the compositions of Bageshri in proper notation **Analyze:** How the use of specific swaras (komal/tivra) creates distinct identities of Bageshari.
TERM-II	**October**	Chapter No.- Unit 5& 5.1 Name of the Topic-Critical study of Prescribed Ragas along with recognizing Ragas from phrases of Swaras and elaborating them. Writing in Notation the Compositions of Prescribed Raga Malkauns.	**Students will be able to:** **Remember:**The Aaroha, Avaroha, Vadi–Samvadi, Jati, and time of performance of Ragas Bhairav, Bageshri, and Malkauns **Understand:** How swara phrases bring out the identity of a raga **Apply:**The gained knowledge to recognize ragas when given short phrases of swaras and write the compositions of Bhairav, Bageshri, and Malkauns in proper notation **Analyze:** How the use of specific swaras (komal/tivra) creates distinct identities of Malkauns
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	

	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**
	February & March	**CBSE BOARD EXAMINATION**

Library & Information Science

Book Prescribed: CBSE			
	Months	**Content**	**Learning Outcomes**
TERM-I	**March - April & May**	Chapter No. 1 : Communication Skills IV (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
		Chapter No. : Library Management	**Students will be able to:** **Remember:** The fundamental facts and concepts related to library operations **Understand:** The concept of library management and stock verification **Apply:** The gained knowledge in practical or simulated tasks **Analyze**: The challenges faced in the management of library such as system break down, stock discrepancy and the ways to resolve those
	June	**SUMMER BREAK**	
	July	Chapter No. 2: Organization of Library Resources: Advanced	**Students will be able to:** **Remember:** The key concepts and terminology related to organizing library resources. **Understand:** The purpose and function of organizing systems in libraries. **Apply:** The knowledge in real-world or simulated cataloging and classification tasks. **Analyze:** The understanding to break down complex cataloging/classification processes and evaluate them.
		Chapter No. 2: Self- Management Skills-IV (Employability Skills)	**Students will be able to:** **Remember**: The basic facts, definitions, and concepts related to self-management **Understand:** The importance of self motivation and self management **Apply**: The techniques of self management in daily life situations A**nalyze**: The complex behavior patterns or problems to understand causes and effects
		PERIODIC TEST I	
		Chapter No. 3: ICT Skills-IV (Employability Skills)	**Students will be able to:** **Remember:** basic ICT tools and terms (e.g., hardware, software, internet, email). **Understand:** the function of different ICT tools like MS Word, Excel, and presentation software. **Apply:** basic formatting tools in word processing software. **Analyze:** the effectiveness of different ICT tools for specific educational purposes.

	August	Chapter No. : 3 Name of the Chapter : Library and Information Services	**Students will be able to:** **Remember:** Key definitions "reference services," "current awareness service (CAS)," and "selective dissemination of information (SDI)." **Understand:** The concepts and interpret the purpose of services. **Apply:** The knowledge in practical scenarios involving information services **Analyze:** Break down systems/service and evaluate effectiveness.
	September	Chapter No. : 4 Entrepreneurial Skills-IV (Employability Skills)	**Students will be able to:** **Remember:** The key concepts, definitions, and terminology related to entrepreneurship **Understand:** The entrepreneurial principles and strategies **Apply:** The entrepreneurial knowledge in real-life or simulated business scenarios **Analyze:** The components of entrepreneurial practices
TERM-II	**October**	Chapter No. : 5 Communication Skills	**Students will be able to:** **Remember:** Basic concepts and components of communication Languages **Understand:** How communication works and the importance of clarity and tone **Apply:** The gained knowledge to use communication skills inpractical, real-world settings **Analyze:** Communication scenarios and assess effectiveness
		Chapter No.:5 Green Skills-IV (Employability Skills)	**Students will be able to:** **Remember:** Environmental concepts and sustainability practices **Understand:** The importance and concepts behind green practices **Apply:** The gained knowledge to use green skills in real-life scenarios or tasks **Analyze:** Environmental practices and their outcomes
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Marketing

Book Prescribed: CBSE Notes			
	Months	**Content**	**Learning Outcomes**
TERM-I	**March - April**	Unit : 1 Communication Skills IV (Employability Skills)	**Students will be able to:** **Remember:** The key terms like verbal, non-verbal, written, and visual communication **Understand:** The importance of tone, clarity, listening, and feedback in effective communication **Apply:** Proper communication in real-life banking scenarios (e.g., dealing with customers) **Analyze:** The communication barriers and suggest improvements

	& May	Unit –I Product (Subject specific skill)	**Students will be able to:** **Remember:** Key terms like Product, Product Life Cycle (PLC), Introduction, Growth, Maturity, Decline, Packaging, Branding **Understand:** The stages of PLC and their characteristics; importance and functions of packaging **Apply:** The gained knowledge to identify real-life products in different PLC stages; design packaging for FMCG products **Analyze:** Products based on their PLC stage and marketing strategies used
	June	**SUMMER BREAK**	
	July	Unit-II Price Decision (Subject specific skill)	**Students will be able to:** **Remember:** Meaning of price, pricing methods and pricing objectives **Understand:** Factors affecting pricing decisions and the importance of pricing strategies **Apply:** Pricing concepts to real-life business situations and products **Analyze:** Different pricing strategies used by companies in competitive markets
		Unit-III Place Decision: Channels of Distribution(Subject specific skill)	**Students will be able to:** **Remember:** Meaning and types of distribution channels; role of intermediaries **Understand:** The importance of distribution in making products available to consumers **Apply:** Distribution concepts in identifying channels used by different companies **Analyze:** The effectiveness of various distribution strategies and supply chain systems
		Unit-II Self-Management Skills-IV (Employability Skill)	**Students will be able to:** **Remember:** The concepts of self-awareness, self-confidence, motivation and stress management **Understand:** The importance of positive attitude, goal setting and time management **Apply:** Self-management techniques in personal and academic life **Analyze:** Different situations involving stress and ways to handle them effectively
	August	**PERIODIC TEST I**	
		Unit-III ICT Skills (Employability Skill)	**Students will be able to:** **Remember:** Basic computer operations, internet usage and digital tools **Understand:** The role of ICT in communication, education and business **Apply:** ICT skills for presentations, data handling and online collaboration **Analyze:** The advantages and limitations of digital technologies in daily life
	September	Unit - IV Promotion (Subject specific skill)	**Students will be able to:** **Remember:** Meaning and elements of promotion – advertising, sales promotion, personal selling and publicity **Understand:** The role of promotion in creating awareness and increasing sales **Apply:** Promotional techniques in analysing marketing campaigns **Analyze:** Different promotional strategies used by brands and their effectiveness

TERM-II	October	Unit-IV Entrepreneurial Skills (Employability skill)	**Students will be able to:** **Remember:** Meaning of entrepreneurship, entrepreneur and entrepreneurial qualities **Understand:** The importance of innovation, risk-taking and business opportunities **Apply:** Entrepreneurial skills in identifying simple business ideas **Analyze:** Success stories and challenges faced by entrepreneurs
		Unit-V Green Skills (Employability Skills)	**Students will be able to:** **Remember:** Concepts of environment, sustainability and green economy **Understand:** The importance of conserving natural resources and sustainable practices **Apply:** Eco-friendly practices in school and daily life **Analyze:** Environmental challenges and methods to promote sustainability
		Unit-V Emerging Trends in Marketing (Subject specific skill)	**Students will be able to:** **Remember:** Concepts of digital marketing, social media marketing, e-marketing and influencer marketing **Understand:** The changing trends and technological advancements in marketing **Apply:** Digital marketing tools and strategies in real-life business situations **Analyze:** The impact of emerging marketing trends on consumers and businesses
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Web Application

Book Prescribed: CBSE Resources			
	Months	**Content**	**Learning Outcomes**
TERM-I	**March - April & May**	Chapter No. :1 Communication Skills-IV (Employability Skills)	**Students will be able to:** **Remember:** The key components of effective communication **Understand:** The process and importance of communication skills **Apply:** Active listening and use appropriate communication techniques in group discussions **Analyze:** Real-life scenarios to identify communication gaps and suggest improvements
		Chapter 1: Emerging Trends (Subject Specific)	**Students will be able to:** **Remember:** Internet of Things (IoT) and Industrial Internet of Things (IIoT) **Understand:** The classification of different types of

			Operating Systems and their use. **Apply:** The gained knowledge to identify Cloud Computing and Edge Computing , Describe Artificial Intelligence (AI) and Machine Learning (ML) **Analyze:** The importance of Digital Marketing and its Career Opportunities, Recognize and explain the importance of Social Media Etiquette
	June	**SUMMER BREAK**	
	July	Chapter4 : Cyber Safety and Security (Subject Specific)	**Students will be able to:** **Remember:** Define cyber safety, cyber security, and cyber ethics. Identify common cyber threats such as viruses, phishing, malware, and hacking. Recall safe internet practices and password guidelines. **Understand:** Explain the importance of cyber safety and responsible online behavior. Describe how cyber threats affect individuals and organizations. Discuss the need for strong passwords, antivirus software, and data privacy. **Apply:** Create strong and secure passwords for online accounts. Demonstrate safe browsing and email practices to avoid cyber threats. **Analyze**: Differentiate between safe and unsafe online activities. Analyze real-life cybercrime scenarios and suggest preventive measures. Evaluate the authenticity of emails, websites, and online messages to identify potential cyber threats.
		Unit-III ICT Skills (Employability Skill)	**Students will be able to:** **Remember:** Basic computer operations, internet usage and digital tools **Understand:** The role of ICT in communication, education and business **Apply:** ICT skills for presentations, data handling and online collaboration **Analyze:** The advantages and limitations of digital technologies in daily life
	August	**PERIODIC TEST I**	
		Unit-II Self-Management Skills-IV (Employability Skill)	**Students will be able to:** **Remember:** The concepts of self-awareness, self-confidence, motivation and stress management **Understand:** The importance of positive attitude, goal setting and time management **Apply:** Self-management techniques in personal and academic life **Analyze:** Different situations involving stress and ways to handle them effectively
TERM-II	**September**	Unit-III Entrepreneurial Skill) (Employability Skill)	**Students will be able to:** **Remember:** Key terms related to entrepreneurship and identify the qualities, functions, and roles of an entrepreneur **Understand**: The importance of entrepreneurship in creating employment, promoting innovation, and contributing to economic development **Apply**: Entrepreneurial opportunities in daily life and suggest suitable business ideas based on available resources and customer needs **Analyze:** The qualities of successful entrepreneurs, compare different business ideas, and identify the challenges and risks involved in starting a business
		Chapter No. -2	**Students will be able to:** **Remember:** JavaScript functions and objects, identify their syntax, and recall the purpose of parameters, arguments,

	October	JavaScript Part 2 (functions, object)	return statements, and object properties and methods **Understand:** The importance of functions in code reusability and describe how objects store data in properties and perform actions through methods **Apply:** The gained knowledge to create and call JavaScript functions, pass arguments, return values, and create objects with properties and methods to perform simple programming tasks **Analyze:** The difference between functions and objects, examine JavaScript code to identify errors, and predict the output of programs involving functions and objects
		Chapter No. – 3 Canva & Adobe Express	**Students will be able to:** **Remember:** The features and tools of Canva and Adobe Express and recall the basic principles of graphic design **Understand:** The use of templates, images, text, colours, shapes, and design elements in creating attractive digital graphics **Apply:** The gained knowledge to create posters, invitations, presentations, banners, and social media graphics using Canva and Adobe Express **Analyze:** The features of Canva and Adobe Express and evaluate different graphic designs, and identify suitable design elements for a given purpose
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Yoga

Book Prescribed: CBSE Resources			
	Months	**Content**	**Learning Outcomes**
TERM-I	**March - April & May**	Chapter No. :1 Communication Skills-IV (Employability Skills)	**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 1 – Introduction to Yoga and Yogic Practices-II	**Students will be able to:** **Remember:** Define Yoga and explain its origin, history, and development in India.Recall basic terms like Asana, Pranayama, and Meditation. **Understand**:Explain the meaning, aims, and importance of Yoga. Describe the role of Yoga in physical, mental, and spiritual well-being. **Apply:**Demonstrate simple yogic practices (basic asanas and

			breathing techniques). Practice correct posture and breathing for relaxation and stress reduction. **Analyze:** Analyze the impact of Yoga on stress management and lifestyle diseases. Compare Yoga with other physical activities in terms of benefits and outcomes.
	June	**SUMMER BREAK**	
	July	UNIT-2 Self Management Skills II (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 selfmanagement, 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
		UNIT-2 Introduction to Yoga Texts- II (Yoga)	**Students will be able to:** **Remember:**Recall important Yoga texts such as *Hatha Yoga Pradipika*, *Gheranda Samhita*, and *Shiva Samhita*. Identify the author of *Hatha Yoga Pradipika* (Swami Swatmarama). **Understand:**Explain the meaning and importance of Yoga texts in understanding yogic practices.Describe the basic content of *Hatha Yoga Pradipika* (Asana, Pranayama, Mudra, Samadhi). Understand that these texts provide practical and philosophical guidance for Yoga. **Apply:**Apply teachings from Yoga texts in performing basic yogic practices (asana and breathing). Follow simple guidelines from texts like discipline, posture, and breathing control. **Analyze:**Analyze how Yoga texts guide physical, mental, and spiritual development. Compare different Yoga texts in terms of their focus (practical vs philosophical). Evaluate the relevance of ancient Yoga texts in modern lifestyle.
	August	**PERIODIC TEST I**	
		UNIT- 3 Information & Communication Technology Skills (Employability Skill)	**Students will be able to:** **Remember:** Basic keyboard shortcuts and functions, computer system parts and common ICT tools **Understand:** The importance of ICT in education, work, and daily life and describe key software functions, digital communication tools and basic user interface elements **Apply:** The acquired knowledge to use word processors for document creation and formatting, send and receive emails with attachments, safely search the internet, and create basic slide presentations **Analyze:** ICT's impact on communication, learning, and work and cyber safety issues with prevention strategies
TERM-II	**September**	Unit 3 - Yoga for Health Promotion (Yoga)	Students will be able to: **Remember:** The components of Yoga and recall common lifestyle diseases **Understand:** The role of Yoga in maintaining physical and mental health, stress management and emotional balance **Apply:** Simple asanas and breathing exercises for health benefits and use Yoga as a daily routine for maintaining a healthy lifestyle **Analyze:** The impact of Yoga on lifestyle diseases like

			hypertension, obesity, and anxiety and how regular Yoga practice promotes overall well-being and quality of life
		UNIT-4 Entrepreneurial Skills II (Employability Skill)	Students will be able to: **Remember:** Meaning of assessment and evaluation, list assessment types and tools, and recall the objectives of student evaluation in learning **Understand:** Entrepreneurship's role in economic growth and jobs, outline the business startup process, and the innovation and problem-solving involved **Apply:** The gained knowledge to create a simple business plan addressing a problem using tools like SWOT analysis to present ideas **Analyze:** Success stories of successful entrepreneurs to identify traits and strategies and analyze business feasibility, risks and rewards, and market needs for relevant ideas
	October	UNIT-5 Green Skills II (Employability Skill)	Students will be able to: **Remember:** Meaning of green skills, sustainable development, and eco-friendly practices; list the 5 Rs of sustainability; identify green jobs and industries; and recall the importance of conserving natural resources **Understand:** The need for environmental sustainability, human impacts on the environment, discuss the role of green skills, and understand the connection between the green economy and job opportunities **Apply:** The gained knowledge to practice eco-friendly habits, engage in green initiatives, apply sustainability in daily tasks, and use digital tools to raise awareness on green living **Analyze:** Traditional and sustainable practices, and examine youth and education's role in promoting a green future
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Applied Mathematics (241)

Book Prescribed: NCERT

	Months	**Content**	**Learning Outcomes**
TERM -I		Chapter: Matrices	**Students will be able to:** **Remember:** The concept of matrices, type of matrices, operations on matrices, transpose of a matrix, symmetric and skew symmetric matrices. **Understand:** The properties of addition, multiplication of matrices and scalar multiplication **Apply:** Addition and multiplication of matrices and scalar multiplication to real life problems **Analyze:** Non- commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (order 2) ; the uniqueness of inverse of a matrix, if it exists

	March - April & May	Chapter : Determinants	**Students will be able to:** **Remember:** The key terms - Determinant of a square matrix, minors and co- factors. **Understand:** The method of finding the adjoint, inverse of a square matrix and number of solutions of system of linear equations **Apply:** The acquired knowledge to solve the system of linear equations in two or three variables (having unique solution) using inverse of a matrix **Analyze:** The consistency and inconsistency of solutions
		Ch- Financial Mathematics	**Students will be able to:** **Remember:** The concept of perpetuity and sinking fund **Understand:** The difference between sinking fund and saving account and the concept of EMI **Apply:** The gained knowledge to calculate EMI using various methods and Compound Annual Growth Rate **Analyze:** Different investment options and the impact of interest rates on investments and loans
		Chapter No. : Numbers, Quantification and Numerical Applications	**Students will be able to:** **Remember:** The key terms modulus of an integer, congruence modulo **Understand:** The comparison between two statements/situations which can be compared numerically **Apply:** Modulus and conjugate to simplify complex expressions; the definition in various problems **Analyze:** The appropriateness of numerical methods for specific Problems
	June	**SUMMER BREAK**	
	July	Chapter – Differentiation and its Applications	**Students will be able to:** **Remember:** Derivatives up to first order **Understand:** Differentiation of parametric functions and implicit functions up to second order **Apply:** The gained knowledge to solve simple problems related to increasing and decreasing behaviour of a function in the given interval. and find local maxima and local minima **Analyze:** The difference between marginal cost and marginal revenue
		Chapter – Linear Programming	**Students will be able to:** **Remember:** Definition of Decision Variable, Constraints, Objective function, Optimization and Non negative constraints **Understand:** The problem in terms of in equations **Apply:** Corner Point Method for the Optimal solution of LPP **Analyze**: Feasible and infeasible solutions
	August	**PERIODIC TEST I**	
		Chapter – Time-based data	**Students will be able to:** **Remember:** Time series as chronological data **Understand:** Long-term tendency **Apply:** The gained knowledge to demonstrate the techniques of finding trend by different methods **Analyze:** Fitting a Straight-line trend and estimating the value
	September	Chapter – Probability Distributions	**Students will be able to:** **Remember**: Definition and example of discrete and continuous random variable and their distribution **Understand**: The concept of Random Variables and its

			Probability Distributions **Apply**: The gained knowledge of arithmetic mean of frequency distribution to find the expected value of a random variable. **Analyze**: Mean, Variance and S.D of a binomial distribution, Poisson distribution and normal distribution
TERM -II	**October**	Chapter – Integration and its Applications	**Students will be able to:** **Remember**: Integration as a reverse process of differentiation **Understand**: Simple integrals based on each method (non - trigonometric function) **Apply**: Evaluation of area under simple algebraic curves up to 2nd degree. **Analyze**: The region representing consumer surplus and producer surplus graphically
		Chapter – Differential Equations And Modelling	**Students will be able to:** **Remember**: Definition, order, degree of a differential equation **Understand:** The process of formulating differential equations **Apply**: The gained knowledge to solve simple differential equation using variable separable method only **Analyze:** The solutions of differential equations
		Chapter – Inferential Statistics	**Students will be able to**: **Remember**: Definition of Population and Sample **Understand**: Economic surveys and other contexts of practical life **Apply:** The gained knowledge to differentiate between a representative and non-representative sample and draw a representative sample using simple random sampling **Analyze**: Null Hypothesis to make Statistical Inferences forsmall sample size
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	

Mathematics(041)

Book Prescribed: NCERT			
	Months	**Content**	**Learning Outcomes**
TERM-1	**March – April & May**	Chapter No. 3 Matrices	**Students will be able to:** **Remember:** The concept of matrices, type of matrices, operations on matrices, transpose of a matrix, symmetric and skew symmetric matrices. **Understand:** The properties of addition, multiplication of matrices and scalar multiplication **Apply:** Addition and multiplication of matrices and scalar multiplication to real life problems **Analyze:** Non- commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (order 2) ; the uniqueness of inverse of a matrix, if it exists
		Chapter No. 4 Determinants	**Students will be able to:** **Remember:** The key terms - Determinant of a square matrix, minors and co- factors. **Understand:** The method of finding the adjoint, inverse of a square matrix and number of solutions of system of linear equations **Apply:** The acquired knowledge to solve the system of linear equations in two or three variables (having unique solution) using inverse of a matrix **Analyze:** The consistency and inconsistency of solutions
		Chapter No.1 Relations and Functions	**Students will be able to:** **Remember:** Types of relations- reflexive, symmetric, transitive. **Understand**: The concept of equivalence relations and bijective mappings **Apply:** The gained knowledge to identify equivalence relations and bijective mappings **Analyze:** Different types of relations and functions
		Chapter No.2 Inverse Trigonometric Functions	**Students will be able to:** **Remember:** Definitions and properties of inverse trigonometric functions **Understand:** Domain and range of inverse trigonometric functions **Apply:** The gained knowledge to evaluate problems in inverse trigonometric functions **Analyze:** The restrictions on the domain and range of inverse trigonometric functions
		Chapter No. – 5 Continuity and differentiability	**Students will be able to:** **Remember:** The concept of continuity and differentiability, chain rule, derivative of composite functions and inverse trigonometric functions **Understand:** Derivative of implicit functions and the concept of exponential and logarithmic functions **Apply:** Differentiation rules to find derivatives of functions, including Trigonometric functions, Exponential and logarithmic functions and Composite functions **Analyze:** Continuity and differentiability of functions and identifying points of discontinuity
	June	**SUMMER BREAK**	

	July	Chapter No. – 6 Application of derivatives (Rate of change , Increasing and decreasing functions, Maxima and Minima)	**Students will be able to:** **Remember:** The concepts of derivatives and their applications, definitions of maxima, minima, critical points, and first/second derivative tests **Understand:** The rate of change of functions with respect to a variable, increasing/decreasing functions and the concepts of local and absolute maxima/minima and conditions for their existence **Apply:** The gained knowledge to use derivatives to find rates of change, identify increasing/decreasing intervals and solve optimization problems **Analyze:** Different functions to determine their behaviour (increasing/decreasing) and solve related problems and various real-life problems and determine maximum or minimum values
	August	**PERIODIC TEST I**	
		Chapter No. – 7 Integers	**Students will be able to:** **Remember:** The key difference between definite and indefinite integrals **Understand:** Integration as inverse process of differentiation **Apply:** The gained knowledge to solve problems of Integration of variety of functions by substitution method, partial fractions and integration by parts **Analyze:** Different integration techniques and their applications
		Chapter No. – 8 Application of Integrals	**Students will be able to:** **Remember:** Key concepts related to application of integrals **Understand:** How integrals are used to solve real-world problems **Apply:** The gained knowledge in finding the area under simple curves, especially lines, circles/ parabolas/ellipses **Analyze:** Area under different curves
		Chapter No. – 9 Differential Equations	**Students will be able to:** **Remember:** Definition, order and degree, general and particular solutions of a differential equation **Understand:** General and particular solutions of a differential equation **Apply:** Various techniques to solve differential equations **Analyze:** Solutions of differential equations in the context of real world problems
	September	Chapter No. – 10 Vector Algebra	**Students will be able to:** **Remember:** Vectors and scalars, magnitude and direction of a vector **Understand:** Direction cosines and direction ratios of a vector, Types of vectors, position vector of a point, negative of a vector and components of a vector **Apply:** The gained knowledge to solve problems related to addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio **Analyze:** The difference between dot, cross and scalar triple product of the vectors
TERM –II		Chapter No. – 11 Three Dimensional Geometry	**Students will be able to:** **Remember:** Direction cosines and direction ratios of a line joining two points **Understand**: Cartesian equation and vector equation of a

			line **Apply:** The gained knowledge to find angle between two lines **Analyze:** Shortest distance between two skew and parallel lines
	October	Chapter No. – 12 Linear Programming	**Students will be able to:** **Remember:** Definition of linear programing, objective function, constraints and feasible region **Understand:** The formulation of linear programming problems and the graphical method for solving linear programming problems **Apply:** The gained knowledge to apply various methods to solve linear programming problems **Analyze:** Feasible and infeasible regions (bounded or unbounded), optimal feasible solutions
		Chapter No. – 13 Probability	**Students will be able to:** **Remember:** Key concepts such as independence of events, multiplication rule and Bayes' theorem **Understand:** The concept of conditional probability **Apply:** The gained knowledge to calculate the probability of event A when event B has already occurred **Analyze:** The impact of probability of one event on the probability of another event
		PREPARATORY EXAMINATION	
	November	**PREPARATORY EXAMINATION & REVISION OF SYLLABUS FOR PRE-BOARD EXAMINATION**	
	December	**PRE-BOARD EXAMINATION**	
	January	**CBSE PRACTICAL AND INTERNAL ASSESSMENT**	
	February & March	**CBSE BOARD EXAMINATION**	