



# 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 2024-25 English

Book Prescribed: NCERT		
Months	Content	Learning Outcomes
Term - I  April & May	Ch- The Last Lesson (Prose Flamingo)	<ul style="list-style-type: none"> <li>To develop interest in literature and appreciate author's style of writing.</li> <li>To make students realise the importance of a teacher.</li> <li>To evoke the sense of responsibility, patriotism and love for the mother tongue.</li> </ul>
	Ch- My Mother at Sixty-Six (Poem)	<ul style="list-style-type: none"> <li>To develop aesthetic sense amongst students and make them able to find out the poetic devices such as simile, metaphor, personification and repetition.</li> <li>To make them understand the importance of parents, aging and inevitable death.</li> </ul>
	Ch- The Third Level (Prose, Vistas)	<ul style="list-style-type: none"> <li>To develop interest in science fiction and find out the concept of time travel.</li> <li>To develop interest in human psychology and know the impact of wars on human beings.</li> </ul>
	<ul style="list-style-type: none"> <li>Notice Writing</li> <li>Letter to the Editor</li> </ul>	<ul style="list-style-type: none"> <li>To be able to write notice with appropriate format and develop writing skills.</li> <li>To be able to identify the purpose and importance of writing effective formal letters.</li> </ul>
	Ch- Lost Spring (Prose, Flamingo)	<ul style="list-style-type: none"> <li>The students will be able to comprehend the text and appreciate the author's style of writing.</li> <li>To analyse the importance of safe and secure childhood, to persevere and chase one's dream.</li> </ul>
	Ch - The Tiger King (Prose, Vistas)	<ul style="list-style-type: none"> <li>The students will be able to comprehend, enjoy and critically analyse the text.</li> <li>To get glimpses of pre-independent India, royalty of kings, their upbringing, hunting as their passion.</li> </ul>
	Ch-Deep Water (Prose, Flamingo)	<ul style="list-style-type: none"> <li>To enable the students to enjoy text, comprehend and analyse the situation of the protagonist.</li> <li>To enable the students to imbibe the values like self-discipline, consistency and determination to overcome any fear in life.</li> </ul>
	Ch- Keeping Quiet (Poem, Flamingo)	<ul style="list-style-type: none"> <li>To develop aesthetic sense amongst students and to appreciate poet's style of composing poem, find out poetic devices.</li> <li>To get acquainted with nature's cycle and power of silence resulting in bring peace and harmony.</li> </ul>
	Article writing and Invitation including reply	<ul style="list-style-type: none"> <li>To be able to write articles and invitation with appropriate format and style.</li> <li>To be able to compose articles and invitation.</li> </ul>
	-	Ch- Indigo (Prose, Flamingo) –
<b>SUMMER BREAK</b>		
<b>PERIODIC TEST-I</b>		

<b>July &amp; August</b>	Ch- Journey to the End of the Earth (Prose, Vistas)	<ul style="list-style-type: none"> <li>To make students aware of the destruction caused by human activity to Mother Earth.</li> <li>To get a deeper understanding of the formation of Earth, continents and changing environment.</li> <li>To feel responsible about the Earth.</li> </ul>	
	Ch- The Rattrap (Prose, Flamingo)	<ul style="list-style-type: none"> <li>To appreciate, comprehend and enjoy the text.</li> <li>To realise the power of love, care &amp; compassion which can transform any individual at any point of time.</li> </ul>	
	A Thing of Beauty (Poem)	<ul style="list-style-type: none"> <li>To develop aesthetic sense amongst student about poetry and be able to find out the poetic devices.</li> <li>To value and admire the beauty of nature which has permanent impact on everyone.</li> </ul>	
	Ch- The Enemy (Vistas)	<ul style="list-style-type: none"> <li>To be able to read, enjoy and comprehend the text critically.</li> <li>To get a detailed account of medical profession, doctor's responsibility and how professionalism is above all national boundaries.</li> </ul>	
	Ch- A Roadside Stand (Poem)	<ul style="list-style-type: none"> <li>To develop interest in poetry and to understand about the composition and the style of writing.</li> <li>To get a glimpse of poverty and helplessness of a vendor to sell his wares.</li> <li>To feel the plight of below poverty line people.</li> </ul>	
	Ch-Poets and Pancakes (Prose, Flamingo)	<ul style="list-style-type: none"> <li>To develop interest in cinematography and to know the process of film making.</li> <li>To feel the importance of each and every department of film making from story writing to direction.</li> </ul>	
	Ch- The Interview (Prose, Flamingo)	<ul style="list-style-type: none"> <li>To appreciate text and be able to critically analyse the importance of interviews in today's era.</li> <li>To know the do's and don'ts while taking any interview.</li> </ul>	
	Writing Skills- Job Application and Report writing	<ul style="list-style-type: none"> <li>The students would be able follow appropriate format of job application to write Job Application with resume and report writing.</li> <li>To be able to frame impactful letters and reports.</li> </ul>	
<b>September</b>	<b>REVISION &amp; TERM-I EXAMINATION</b>		
<b>TERM-II</b>	<b>October &amp; November</b>	Aunt Jennifer's Tigers (Poem)	<ul style="list-style-type: none"> <li>To appreciate poem its poetic devices &amp; to know how art can bring solace in one's life.</li> <li>To feel the pain of a recessive woman who lives and dies in accordance with her husband.</li> </ul>
		Ch-Going places (Prose, Flamingo)	<ul style="list-style-type: none"> <li>To make them understand the adolescence phase, dreams, aspiration and their dreams.</li> <li>To make students aware about the difference in reality and imagination.</li> </ul>
		Ch- Memories of Childhood (Prose, Vistas)	<ul style="list-style-type: none"> <li>To read, enjoy and critically appreciate the text.</li> <li>To understand the social structure of nineteenth century where the social structure forces women to follow the old and rotten ways living.</li> </ul>
		Ch- On the Face of it (Vistas)	<ul style="list-style-type: none"> <li>To develop students' interest in literature especially play.</li> <li>To be able to enact the play in the class.</li> <li>To know the importance of self-love, friendship, and the impact of good company.</li> </ul>
<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>		
<b>January</b>	<b>WINTER BREAK</b>		
	<b>BOARD PRACTICALS</b>		
<b>February &amp; March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>		

## Accountancy

<b>Book Prescribed: T. S. Grewal</b>				
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>	
<b>Term -I</b>	<b>April &amp; May</b>	Ch-1 Accounting for Partnership Firms- Fundamentals	<ul style="list-style-type: none"> <li>The students will be able to understand the meaning &amp; characteristics of partnership, partnership deed &amp; contents of partnership deed, provisions of partnership act in the absence of partnership deed.</li> <li>The students will develop the skill of preparation of Profit &amp; Loss App. A/c, Capital A/c and making past adjustments.</li> </ul>	
		Ch-3 Goodwill - Nature & Valuation	<ul style="list-style-type: none"> <li>The students will develop the understanding and skill of valuation of goodwill using different methods.</li> </ul>	
		Ch-4 Change in Profit Sharing Ratio	<ul style="list-style-type: none"> <li>The students will learn accounting treatment of goodwill, revaluation of assets, reassessment of liabilities &amp; treatment of reserves &amp; accumulated profits.</li> <li>The students will develop the skill to prepare capital accounts and balance sheet at the time of change in profit sharing ratio among the partners.</li> </ul>	
	<b>June</b>	Ch-5 Admission of a Partner	<ul style="list-style-type: none"> <li>The students will learn accounting treatment of goodwill, revaluation of assets, reassessment of liabilities &amp; treatment of reserves &amp; accumulated profits.</li> <li>The students will develop the skill to prepare capital accounts and balance sheet at the time of admission of the partners.</li> </ul>	
		<b>SUMMER BREAK</b>		
	<b>July &amp; August</b>	<b>PERIODIC TEST-I</b>		
		Ch-5 Retirement of a Partner	<ul style="list-style-type: none"> <li>The students will learn accounting treatment of goodwill, revaluation of assets, reassessment of liabilities &amp; treatment of reserves &amp; accumulated profits.</li> <li>The students will develop the skill to prepare capital accounts and balance sheet at the time of Retirement of the partners.</li> </ul>	
		Ch-7 Death of a Partner	<ul style="list-style-type: none"> <li>The students will learn accounting treatment of goodwill, revaluation of assets, reassessment of liabilities &amp; treatment of reserves &amp; accumulated profits.</li> <li>The students will develop the skill to prepare capital accounts and balance sheet at the time of death of the partners.</li> </ul>	
		Ch-8 Dissolution of Partnership Firms	<ul style="list-style-type: none"> <li>The students will develop the understanding of preparation of Realisation A/c and other related accounts at the time of dissolution of partnership firm.</li> </ul>	
		Ch-9 Company Accounts - Accounting for Share Capital	<ul style="list-style-type: none"> <li>The students will understand the meaning of Share Capital. Private placement of Shares, Employees stock option plan, accounting treatment of share capital regarding issue of share, forfeiture of shares and re-issue of forfeited shares.</li> </ul>	
Ch-10 Company Accounts - Issue of Debentures		<ul style="list-style-type: none"> <li>The students will learn the accounting treatment of different categories of transactions related to issue of debentures, skill of writing off discount/ loss on issue of debentures.</li> </ul>		
<b>September</b>	<b>REVISION &amp; TERM-I EXAMINATION</b>			
<b>TERM-II</b>	<b>October &amp; November</b>	Part II Ch-1 Financial Statements of a Company	<ul style="list-style-type: none"> <li>The students will know about major headings and sub-headings (as per Schedule III of the Companies Act, 2013) of Balance Sheet and Income Statements as per the prescribed formats.</li> </ul>	

	Ch-2 Financial Statement Analysis	<ul style="list-style-type: none"> <li>The students will know the meaning, objectives and limitations of financial statement analysis.</li> </ul>
	Ch-3 Tools for Financial Statements	<ul style="list-style-type: none"> <li>The students will develop the skill of preparation of Comparative &amp; Common Size Statement.</li> </ul>
	Ch-4 Accounting Ratios	<ul style="list-style-type: none"> <li>The students will understand the meaning, objectives and significance of different types of ratios and computation of Liquidity Ratios, Solvency Ratios, Activity Ratios and Profitability Ratios</li> </ul>
	Ch-5 Cash Flow Statement	<ul style="list-style-type: none"> <li>The students will know the meaning and objectives of Cash Flow Statement and learn the skill of preparation of Cash Flow Statement using Indirect Method as per AS-3.</li> </ul>
<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
<b>January</b>	<b>WINTER BREAK</b>	
	<b>BOARD PRACTICALS</b>	
<b>February &amp; March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>	

## Business Studies

<b>Book Prescribed: Poonam Gandhi</b>		
<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>
	Ch- 1 Nature & Significance of Management	The students will be able to: <ul style="list-style-type: none"> <li>understand the concept, objective and importance of management along with the role of top, middle and lower levels of management.</li> <li>learn the meaning of effectiveness and efficiency and examine the nature of management as a science, art and profession.</li> <li>learn the functions of management and the concept, characteristics and importance of coordination.</li> </ul>
<b>TERM-I</b>	Ch- 2 Principles of Management	The students will be able to: <ul style="list-style-type: none"> <li>understand the concept and principles of general management &amp; scientific management given by Fayol and F.W. Taylor &amp; their significance.</li> <li>compare the contributions of Fayol and Taylor.</li> </ul>
	Ch- 3 Business Environment	The students will be able to: <ul style="list-style-type: none"> <li>develop the skill of describing the concept, importance and various dimensions of business environment.</li> <li>understand the concept of demonetization.</li> </ul>
	Ch- 4 Planning	The students will be able to: <ul style="list-style-type: none"> <li>understand the meaning, importance &amp; limitations of planning.</li> <li>learn steps in the planning process and various types of plans.</li> </ul>
	Ch- 5 Organising	The students will be able to: <ul style="list-style-type: none"> <li>define the concept of organizing as a structure and as a process.</li> <li>learn the importance of organising.</li> <li>describe functional and divisional structures of organisation along with advantages and disadvantages.</li> <li>discuss the concept of formal and informal organisation along with advantages and disadvantages.</li> <li>learn the concept and importance of delegation and decentralisation.</li> </ul>
	<b>SUMMER BREAK</b>	
	<b>PERIODIC TEST-I</b>	

<b>July &amp; August</b>	Ch- 6 Staffing	The students will be able to: <ul style="list-style-type: none"> <li>• understand the concept and importance of staffing &amp; critically analyse the steps in the process of staffing.</li> <li>• understand the meaning &amp; sources of recruitment and will learn the merits and demerits of internal and external sources of recruitment.</li> <li>• define the meaning of selection and will be conceptualised with the steps involved in the process of selection.</li> <li>• understand the concept and importance of training and development and will develop the skill to differentiate training and development &amp; will discuss on-the-job and off-the-job methods of training.</li> </ul>	
	Ch- 7 Directing	The students will be able to: <ul style="list-style-type: none"> <li>• understand the concept and importance of directing &amp; will be aware of directing elements.</li> <li>• define the concept of motivation and develop an understanding of Maslow's hierarchy of needs &amp; will be able to discuss various financial and non-financial incentives.</li> <li>• learn the concept &amp; various styles of leadership.</li> <li>• understand the concept of communication, the elements of the communication process, formal and informal communication along with the barriers to effective communication.</li> <li>• suggest measures to overcome barriers to communication.</li> </ul>	
	Ch- 8 Controlling	The student will be able to: <ul style="list-style-type: none"> <li>• understand the meaning &amp; importance of controlling and various steps involved in the controlling process.</li> <li>• describe the relationship between planning and controlling.</li> </ul>	
	Ch- 12 Consumer Protection	The students will be able to: <ul style="list-style-type: none"> <li>• understand the meaning of consumer, rights and responsibilities of consumers.</li> <li>• understand who can file a complaint and against whom? and will learn about various redressal machineries to solve consumers complaints.</li> <li>• understand the concept and importance of consumer protection.</li> <li>• describe the role of consumer organizations and NGO's in protecting consumers' interests.</li> </ul>	
<b>September</b>		<b>REVISION &amp; TERM-I EXAMINATION</b>	
<b>TERM-II</b>	<b>October to November</b>	Ch- 9 Financial Management	The students will be able to: <ul style="list-style-type: none"> <li>• understand the concept, role &amp; objectives of financial management &amp; discuss the three financial decisions and the factors affecting them.</li> <li>• describe the concept of financial planning, its objectives and importance &amp; understand the concept of capital structure &amp; factors determining the choice of an appropriate capital structure of a company.</li> <li>• define the concept of fixed and working capital, will be able to draw operating cycle and describe the factors determining the requirements of fixed and working capital.</li> </ul>
		Ch- 10 Financial Markets	The students will be able to: <ul style="list-style-type: none"> <li>• understand the concept and functions of financial markets i.e. money market and capital market.</li> <li>• learn types of capital market i.e. primary and secondary markets and will be able to differentiate between capital market and money market &amp; primary and secondary markets.</li> <li>• discuss the meaning, functions &amp; trading procedure in a stock exchange.</li> <li>• understand the meaning of depository services and DEMAT account as used in the trading procedure of securities.</li> <li>• understand the objectives and functions of SEBI.</li> </ul>

	Ch- 11 Marketing Management	The students will be able to: <ul style="list-style-type: none"> <li>• understand the concept, features, functions of marketing and marketing philosophies.</li> <li>• elaborate the concept of marketing mix along with the elements of marketing mix.</li> <li>• understand the concept of product as an element of marketing mix &amp; concept of branding, labelling and packaging.</li> <li>• understand the concept of price as an element of marketing mix &amp; describe the factors determining price of a product.</li> <li>• understand the concept, components and various channels of physical distribution</li> <li>• understand the concept and elements of promotion mix like advertising, sales promotion, personal selling and public relations.</li> </ul>
<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
<b>January</b>	<b>WINTER BREAK</b>	
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<b>February &amp; March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>	

## Economics

<b>Book Prescribed: Radha Bahuguna</b>				
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>	
<b>TERM-I</b>	<b>April &amp; May</b>	Ch- Government Budget and Economy	<ul style="list-style-type: none"> <li>• To understand the meaning of Budget, its components and objectives.</li> <li>• To explain the components of Budget.</li> <li>• To explain Balanced, Surplus and Deficit Budget-measures of government budget.</li> </ul>	
		Ch- Indian Economy on the Eve of Independence	<ul style="list-style-type: none"> <li>• To explain the factors that led to underdevelopment and stagnation of the Indian economy.</li> <li>• To explain the various sectors and its features during pre-independence period.</li> </ul>	
		Money and Banking	<ul style="list-style-type: none"> <li>• To explain the concept of money, money supply credit creation and credit control.</li> <li>• To explain Money – meaning and functions, supply of money - Currency held by the public and net demand deposits held by commercial banks.</li> <li>• To explain the instruments to control money supply in the economy</li> </ul>	
		Ch- Indian Economy 1950- 1990	<ul style="list-style-type: none"> <li>• To explain features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role &amp; importance) and foreign trade.</li> </ul>	
	<b>June</b>	Ch-Balance of Payments	<ul style="list-style-type: none"> <li>• To explain the balance of payments, account its meaning and components</li> <li>• To explain capital and current account</li> <li>• To explain Foreign exchange rate - meaning of fixed and flexible rates and managed floating.</li> <li>• To determine exchange rate in a free market, merits and demerits of flexible and fixed exchange rate.</li> <li>• To elaborate Managed Floating exchange rate system</li> </ul>	
	<b>July &amp; August</b>	<b>SUMMER BREAK</b>		
		<b>PERIODIC TEST-I</b>		
		Ch-Economic Reforms since 1991	<ul style="list-style-type: none"> <li>• To explain the concepts of Liberalisation, Privatisation and Globalisation</li> <li>• To understand the position of India in international market</li> </ul>	

		Ch- National Income and Related Aggregates	<ul style="list-style-type: none"> <li>To explain the basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows</li> <li>To explain gross investment and depreciation.</li> <li>To elaborate Circular flow of income (two sector model)</li> <li>To explain methods of calculating National Income -Value Added or Product method, Expenditure method, Income method.</li> <li>Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product (GDP) and Net Domestic Product (NDP) - at market price, at factor cost; Real and Nominal GDP</li> <li>To explain GDP Deflator, GDP and Welfare</li> </ul>
		Ch-Rural Development	<ul style="list-style-type: none"> <li>To explain the meaning of credit and marketing, role of cooperatives.</li> <li>To explain agriculture diversification, alternative farming-organic farming.</li> </ul>
		Ch-Human Capital Formation	<ul style="list-style-type: none"> <li>To explain how people become resource.</li> <li>To explain the concept of Human Resource Development.</li> <li>To explain the role of human capital in economic development.</li> <li>To elaborate Growth of Education Sector in India.</li> </ul>
	<b>September</b>	<b>REVISION &amp; TERM-I EXAMINATION</b>	
<b>TERM-II</b>	<b>October &amp; November</b>	Ch-Determination of Income and Employment	<ul style="list-style-type: none"> <li>To understand the concepts of Aggregate Demand and Aggregate Supply,</li> <li>To enable determination of short run equilibrium output, investment multiplier.</li> <li>To explain the problems of excess demand and deficient demand and measures to correct them</li> </ul>
		Ch-Employment	<ul style="list-style-type: none"> <li>To explain growth and change in work force participation in formal and informal sector.</li> <li>To explain problems and policies to correct unemployment.</li> </ul>
		Ch-Sustainable Economic Development	<ul style="list-style-type: none"> <li>To explain the effect of Economic Development on the Environment and Resources</li> <li>To appreciate the steps taken for sustainable development</li> </ul>
		Ch- Comparative Development Experiences of India	<ul style="list-style-type: none"> <li>To explain the comparison with neighbours India and Pakistan India and China</li> <li>To explain Issues like economic growth, population, sectoral development and other Human Development Indicators</li> </ul>
	<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
<b>January</b>	<b>WINTER BREAK</b>		
	<b>BOARD PRACTICALS</b>		
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## Painting

<b>Book Prescribed: NCERT</b>			
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>
<b>TERM-I</b>	<b>April &amp; May</b>	Ch- The Rajasthani School of Miniature Painting	The students will be able to: <ul style="list-style-type: none"> <li>explain about the Miniature Painting of Rajasthani school, where it started, what are the focal points of these paintings.</li> </ul>
		Ch- Pahari School of Miniature Painting	The students will be able to: <ul style="list-style-type: none"> <li>explain about the special of the Miniature painting such as sentimental faces, sharp features, imposing figures etc.</li> </ul>

	<b>June</b>	<b>REVISION</b>	
		<b>SUMMER BREAK</b>	
	<b>July &amp; August</b>	<b>PERIODIC TEST-I</b>	
		Ch-The Mughal School of Miniature Painting	The students will be able to: <ul style="list-style-type: none"> <li>describe about the coordination of paintings, their colour mixture, clear execution, the gliding lines etc.</li> </ul>
	Ch- Deccan School of Miniature Painting	The students will be able to: <ul style="list-style-type: none"> <li>explain about the art, culture, dramatics, social value customer, religious belief, thoughts &amp; ideas of the decan schools.</li> </ul>	
<b>September</b>		<b>REVISION &amp; TERM-I EXAMINATION</b>	
<b>TERM-II</b>	<b>October</b>	Ch- The Bengal School of Miniature Painting	The students will be able to: <ul style="list-style-type: none"> <li>understand the painting styles of different painters of the Bengal school.</li> </ul>
	<b>November</b>	Ch-The Modern Trends in Indian Art	The students will be able to: <ul style="list-style-type: none"> <li>appreciate different art forms such as painting, sculpture, prints, photographs, graphics etc.</li> </ul>
	<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
	<b>January</b>	<b>WINTER BREAK</b>	
<b>BOARD PRACTICALS</b>			
	<b>February &amp; March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>	

## Computer Science

<b>Book Prescribed: Computer Science with Python (Sultan Chand Pub.)</b>			
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>
<b>Term - I</b>	<b>April &amp; May</b>	Ch- Python Revision Tour -II (up to Flow of Control)	The students will be able to: <ul style="list-style-type: none"> <li>revise the syllabus done in Class XI. (Programming in Python)</li> </ul>
		Ch - Computer Networks	The students will be able to : <ul style="list-style-type: none"> <li>learn about the Evolution of networking, data communication terminologies, transmission media</li> <li>understand the uses of Network devices for creating a network</li> <li>understand the Network topologies and Network types, network protocol, web services and related terms</li> </ul>
		Ch - Review of python Basics (String Manipulation to Dictionary)	The student will be able to: <ul style="list-style-type: none"> <li>revise the concepts of string, list, tuple and dictionary done in Class XI.</li> </ul>
	<b>June</b>	Ch - Functions	The Students will be able to: <ul style="list-style-type: none"> <li>learn about the use of functions in programming.</li> <li>how to create a user define function with parameter and without parameter.</li> <li>write programs of functions.</li> </ul>
		<b>SUMMER BREAK</b>	
	<b>July &amp; August</b>	<b>PERIODIC TEST-I</b>	
		Ch - Functions	The Students will be able to: <ul style="list-style-type: none"> <li>learn about the arguments and parameters, types of parameter, returning value(s)</li> <li>practice the flow of execution of function (user defined)</li> <li>learn about the scope of a variable (global scope, local scope)</li> </ul>
Ch- Exception Handling		The Student will be able to: <ul style="list-style-type: none"> <li>learn about the exception and types of exception.</li> <li>learn how to handle exceptions using try-except-finally blocks</li> </ul>	



		Ch-Relational Data and SQL	The Students will be able to: <ul style="list-style-type: none"> <li>• learn about the database concepts, terms used in database and dbms.</li> <li>• learn about the Relational data modal and its related terms</li> <li>• practice the SQL and its types (DDL, DML and DCL/TCT)</li> <li>• learn and practices the Joins and types of Joins.,</li> </ul>
	<b>September</b>	<b>REVISION &amp; TERM-I EXAMINATION</b>	
<b>TERM-II</b>	<b>October &amp; November</b>	Ch- Data File Handling	The students will be able to: <ul style="list-style-type: none"> <li>• understand the Introduction to files, need of file handling in programming.</li> <li>• understand the Types of files (Text file, Binary file, CSV file), creation and accessing all types of files. Also, the relative and absolute paths of file address with practical knowledge will be understand by the students.</li> <li>• understand the Text, Binary and CSV file operation.</li> </ul>
		Ch- Data structures in Python	The Students will be able to: <ul style="list-style-type: none"> <li>• understand the Data Structure: Stack, Operations on stack (push &amp; pop)</li> <li>• implementation of stack using list. (Practical)</li> </ul>
		Ch - Interface Python with MY SQL	The Students will be able to: <ul style="list-style-type: none"> <li>• learn and practices how to connect SQL with Python by performing insert, update, delete queries using cursor and functions of display () and fetch ()</li> </ul>
	<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
	<b>January</b>	<b>WINTER BREAK BOARD PRACTICALS</b>	
<b>February &amp; March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>		

## Physical Education

<b>Book Prescribed:</b>			
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>
<b>Term -I</b>	<b>April &amp; May</b>	Ch-1 Management of sporting events	<ul style="list-style-type: none"> <li>• To know how to organise sports tournaments.</li> <li>• To understand the principles of event management within the context of sports.</li> </ul>
		Ch-2 Children and Women in Sports	<ul style="list-style-type: none"> <li>• To know about exercise guidelines and common postural deformities.</li> <li>• To Recognize the importance of providing inclusive and equitable opportunities for children and women in sports.</li> </ul>
	<b>June</b>	<b>SUMMER BREAK</b>	
	<b>July &amp; August</b>	<b>PERIODIC TEST-I</b>	
		Ch-3 Yoga as preventing measure for lifestyle disease	<ul style="list-style-type: none"> <li>• To learn all yoga asana and benefits of different asana.</li> <li>• To develop personalized yoga routines and wellness plans tailored to individual health needs and goals.</li> </ul>
		Ch-4 Physical education and sports for CWSN (Children with special needs -divyang)	<ul style="list-style-type: none"> <li>• To learn about the types &amp; causes of disorders and disability.</li> <li>• To know about various types of professional support for children with special needs along with their roles and responsibilities.</li> </ul>
		Ch-5 Sports and Nutrition	<ul style="list-style-type: none"> <li>• To know the importance of balance diet and health.</li> <li>• To identify macronutrients and micronutrients essential for athletes.</li> </ul>
	<b>September</b>	<b>REVISION &amp; TERM-I EXAMINATION</b>	

<b>TERM-II</b>	<b>October &amp; November</b>	Ch-6 Test and measurement in sports	<ul style="list-style-type: none"> <li>To learn the importance of test and measurement in sports.</li> <li>To Explore the reliability and validity of various testing protocols used in sports performance assessment.</li> </ul>
		Ch-7 Physiology and injuries in sports	<ul style="list-style-type: none"> <li>To know the effect of Physical activity on different body organs and management of sports injuries.</li> <li>To explore the principles of first aid and emergency management for sports related injuries.</li> </ul>
		Ch-8 Biomechanics and sports	<ul style="list-style-type: none"> <li>To know about the importance of biomechanics in sports.</li> <li>To Identify the different types of forces acting on the human body during athletic activities, such as gravity, ground reaction forces and muscle forces.</li> </ul>
		Ch-9 Psychology and sports	<ul style="list-style-type: none"> <li>To understand the Psychological aspects in sports.</li> <li>To analyse the role of motivation and goal orientation in athletic achievement and success.</li> </ul>
		Ch-10 Training in sports	<ul style="list-style-type: none"> <li>To learn different fitness training methods.</li> <li>To explore different training methods and modalities used to develop specific fitness components in athletes.</li> </ul>
	<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
	<b>January &amp; February</b>	<b>WINTER BREAK</b>	
		<b>BOARD PRACTICALS</b>	
	<b>March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>	

## Hindustan Music Vocal

<b>Book Prescribed: NCERT</b>			
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>
<b>TERM-I</b>	<b>April &amp; May</b>	Ch - Brief study of the following: Alankar, Kan, Meend, Khatka, Murki, Gamak	<ul style="list-style-type: none"> <li>Students will be able to understand basic terms of classical music.</li> </ul>
		Ch - Discription of prescribed taal along with taal notation with thah, dugun, tigung and chaugun of taal dhamar with hand beats. Ch - Writing in notation the composition of prescribed raag Bhairav (dhrut khayal)	<ul style="list-style-type: none"> <li>Students will be able to understand the concept of rhythm. Students will be able to learn sudh komal tivra swaras, according to their ragas.</li> </ul>
		Ch - Critical study of prescribed raag along with recognising phrases of swaras and elaborating them. (Raag Bhairav)	<ul style="list-style-type: none"> <li>Students will be able to recognise the raag with the help of swaras.</li> </ul>
		Ch - Lifesketch and contribution of Bade Ghulam Ali Kham, Faiyaz Khan	<ul style="list-style-type: none"> <li>Students will be able to understand the roots of Indian classical musicians and the importance of their contribution towards classical music.</li> </ul>
		Ch- Detail study of sangeet Ratnakar & sangeet Parijat	<ul style="list-style-type: none"> <li>Students will be able to learn about the historical aspects of Indian classical music.</li> </ul>
		Ch - Raag Bhairav Tarana with Dugyun & Chaugun	<ul style="list-style-type: none"> <li>Students will be able to learn various types of classical singing like tarana.</li> </ul>
		Ch - Historical Development of time theory of Ragas	<ul style="list-style-type: none"> <li>Student will learn about the historical aspects of Indian Classical music.</li> </ul>
		Ch - Life sketch & contribution of Krishna Rao	<ul style="list-style-type: none"> <li>Students will be able to understand the roots of indian classical musicians and the importance of their contribution towards classical music.</li> </ul>
		Ch - Discription of prescribed taal along with taal notation with thah, Dugun, tigung	<ul style="list-style-type: none"> <li>Students will be able to understand the concept of rhythm and how to show rhytm on hands.</li> </ul>

		and chaugun of taal Rupak with hand beats	
		Unit 5- Critical study of prescribed Raag Malkauns along with recognising phrases of swaras and elaborating them & writing in notation the composition of Raag Malkauns(Dhrut khayal)	<ul style="list-style-type: none"> <li>Students will be able to recognise the raag with the help of swaras.</li> </ul>
	<b>June</b>	Ch - Life sketch & contribution of Shankar Pandit	<ul style="list-style-type: none"> <li>Students will be able to understand the roots of Indian classical musicians and the importance of their contribution towards classical music.</li> </ul>
	<b>SUMMER BREAK</b>		
	<b>PERIODIC TEST-I</b>		
	<b>July &amp; August</b>	Ch- Description of prescribed taal along with taal notation with thah,dugun,tigun and chaugun of jhaptaal along with handbeats.	<ul style="list-style-type: none"> <li>Students will be able to understand the concept of rhythm and how to show rhythm on hands.</li> </ul>
Ch- Tuning of Tanpura		<ul style="list-style-type: none"> <li>Student will be learn the basic knowledge of tanpura.</li> </ul>	
Ch- Writing in notation the composition of prescribed Raag- Bageshri & Shudh Sarang. Dhamar with Dugun & Chaugun in any one raag.		<ul style="list-style-type: none"> <li>Student will be able to learn various type of classical singing.</li> </ul>	
<b>September</b>	<b>TERM-I EXAMINATION</b>		
<b>TERM-II</b>	<b>October to November</b>	Ch- Brief study of the following- Gram, Murchana, Alaap, Tana,	<ul style="list-style-type: none"> <li>Students will be able to understand basic terms of music.</li> </ul>
		Ch- Critical study of prescribed Raag along with recognising Ragas from phrases of swaras & elaborating them(Raag- Bageshri)	<ul style="list-style-type: none"> <li>Students will be able to recognise the raag with the help of swaras.</li> </ul>
	<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
	<b>January</b>	<b>WINTER BREAK</b>	
		<b>BOARD PRACTICALS</b>	
<b>February &amp; March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>		

## Early Childhood Care and Education

Book Prescribed: NCERT			
	Months	Content	Learning Outcomes
<b>Term - I</b>	<b>April &amp; May</b>	Ch-Communication Skills IV	The students will be able to: <ul style="list-style-type: none"> <li>understand the various communication models.</li> <li>develop effective verbal communication skills, including clarity, coherence, and appropriate language use.</li> </ul>
		Ch- Foundations of Child Development	The students will be able to: <ul style="list-style-type: none"> <li>comprehend and evaluate major developmental theories.</li> <li>analyse and describe the various domains of child development, including physical, cognitive, social, and emotional development.</li> </ul>
		Ch- Self-Management Skills IV	The students will be able to: <ul style="list-style-type: none"> <li>learn to set smart (specific, measurable, achievable, relevant, time-bound) goals.</li> <li>enhance decision-making skills by evaluating options &amp; considering consequences.</li> </ul>
	<b>June</b>	Ch- Educational Thought of Key Theorists and Pioneers	The students will be able to:

			<ul style="list-style-type: none"> <li>demonstrate an understanding of the theorist's core ideas &amp; thoughts.</li> <li>apply the key concepts &amp; principles in educational planning.</li> </ul>
	<b>SUMMER BREAK</b>		
	<b>PERIODIC TEST-I</b>		
	<b>July &amp; August</b>	Ch- Developmentally Appropriate Activities for Holistic Development	The students will be able to: <ul style="list-style-type: none"> <li>demonstrate an understanding of developmentally appropriate practices (DAP) in education.</li> <li>design activities that integrate multiple developmental domains to promote holistic development in learners.</li> </ul>
Ch- Fostering Socio-Emotional Competence in Children		The students will be able to: <ul style="list-style-type: none"> <li>demonstrate an understanding of social-emotional competence, including self-awareness, self-regulation &amp; social awareness.</li> <li>explore developmental frameworks relevant to social-emotional competence.</li> </ul>	
<b>September</b>		<b>REVISION &amp; TERM-I EXAMINATION</b>	
<b>TERM-II</b>	<b>October &amp; November</b>	Ch- Creating Conducive Learning Environment	The students will be able to: <ul style="list-style-type: none"> <li>demonstrate an understanding of the components and characteristics of a conducive learning environment.</li> <li>develop strategies for differentiating instruction and activities to meet diverse learning needs.</li> </ul>
		Ch- ICT Skills IV	The students will be able to: <ul style="list-style-type: none"> <li>develop digital literacy and data management.</li> <li>understand basic digital concepts.</li> </ul>
		Ch- Entrepreneurship Skills IV	The students will be able to: <ul style="list-style-type: none"> <li>understand about business planning and conceptualisation.</li> <li>learn about research and financial literacy.</li> </ul>
		Ch- Green Skills IV	The students will be able to: <ul style="list-style-type: none"> <li>develop an understanding of environmental challenges.</li> <li>understand about environmental conservation and sustainable practices.</li> </ul>
	<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
<b>January &amp; February</b>		<b>WINTER BREAK</b>	
<b>February</b>		<b>BOARD PRACTICALS</b>	
<b>March</b>		<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>	

## Library & Information Science

<b>Book Prescribed: CBSE</b>			
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>
<b>TERM-I</b>	<b>April &amp; May</b>	Ch-Communication Skills-IV	Students will be able to: <ul style="list-style-type: none"> <li>identify the different parts of a sentence.</li> <li>address barriers to effective communication.</li> </ul>
		Ch- Library Management	Students will be able to: <ul style="list-style-type: none"> <li>understand about collection development and its management.</li> <li>understand about human resource management, financial management.</li> <li>understand the functions of different sections of a library.</li> </ul>
		Ch- Self-Management Skills-IV	Students will be able to: <ul style="list-style-type: none"> <li>understand about setting goals for efficiently managing time.</li> <li>describe personality traits &amp; common disorders.</li> </ul>

	<b>June</b>	Ch- Organization of Library Resources: Advanced	Students will be able to: <ul style="list-style-type: none"> <li>• understand about library classification.</li> <li>• understand about library cataloguing.</li> </ul>
		<b>SUMMER BREAK</b>	
	<b>July &amp; August</b>	<b>PERIODIC TEST-I</b>	
		Ch- Library and Information Services	Students will be able to: <ul style="list-style-type: none"> <li>• learn about library and information services.</li> <li>• develop an overview of ICT applications</li> </ul>
		Ch- ICT Skills-IV	Students will be able to: <ul style="list-style-type: none"> <li>• develop digital literacy.</li> <li>• manage data and understand basic digital concepts.</li> </ul>
<b>September</b>		<b>REVISION &amp; TERM-I EXAMINATION</b>	
<b>TERM-II</b>	<b>October &amp; November</b>	Ch- Entrepreneurial Skills-IV	Students will be able to: <ul style="list-style-type: none"> <li>• understand about business planning.</li> <li>• understand about conceptualisation &amp; research.</li> <li>• learn about financial literacy.</li> </ul>
		Ch-Computer Applications in Libraries: Advanced	Students will be able to: <ul style="list-style-type: none"> <li>• access to a range of electronic information resources.</li> <li>• manage materials (books, journals, videos, and other media) held in particular collections.</li> </ul>
		Ch-Communication Skills	Students will be able to: <ul style="list-style-type: none"> <li>• know about need &amp; importance of communication skills.</li> </ul>
		Ch- Green Skills-IV	Students will be able to: <ul style="list-style-type: none"> <li>• develop an understanding of environmental challenges.</li> <li>• understand about natural conservation and sustainable practices.</li> </ul>
	<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
<b>January &amp; February</b>	<b>WINTER BREAK</b>		
	<b>BOARD PRACTICALS</b>		
<b>March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>		

## Yoga

	Months	Content	Learning Outcomes
<b>Term - I</b>	<b>April &amp; May</b>	Ch- Communication Skills-IV	<ul style="list-style-type: none"> <li>• Students will develop knowledge skills &amp; judgement around human communication that facilitate their ability to work collaboratively with others.</li> <li>• Students will come to know about the components and addressing barriers to effective communication.</li> </ul>
		Ch – Introduction to Yoga and Yogic Practices-II	<ul style="list-style-type: none"> <li>• Student will develop knowledge about yoga.</li> <li>• Students will able to know how to improve internal organs with the help of Yogic kriyas.</li> </ul>
	<b>June</b>	<b>SUMMER BREAK</b>	
	<b>July &amp; August</b>	Ch- Self Management Skills-IV	<ul style="list-style-type: none"> <li>• Helps to become a successful learner.</li> <li>• It will help to understand about setting goals and efficiently manage time.</li> </ul>
		Ch- ICT Skills-IV	<ul style="list-style-type: none"> <li>• Acknowledging the role of technologies in modern society.</li> <li>• It will help to develop digital literacy, data management and understand basic digital concepts.</li> </ul>
<b>September</b>		<b>REVISION &amp; TERM-I EXAMINATION</b>	
<b>Term - II</b>	<b>October to November</b>	Ch – Introduction to Yoga Texts-II	<ul style="list-style-type: none"> <li>• Students will develop knowledge about yoga.</li> <li>• Students will able to know about different asanas.</li> </ul>
		Ch – Yoga for Health Promotion-II	<ul style="list-style-type: none"> <li>• Students will develop knowledge about yogic diet.</li> <li>• Students will able to know about asanas and their benefits.</li> </ul>
		Ch- Entrepreneurial Skills-IV	<ul style="list-style-type: none"> <li>• It will allow students to identify &amp; create business opportunities.</li> </ul>

		<ul style="list-style-type: none"> <li>It will help to understand about business planning, conceptualisation, research and financial literacy.</li> </ul>
	Ch- Green Skills-IV	<ul style="list-style-type: none"> <li>It will increase knowledge about the need of green skill for efficient society.</li> <li>It will help to develop an understanding of environmental challenges, conservation and sustainable practices.</li> </ul>
<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
<b>January to February</b>	<b>WINTER BREAK</b>	
	<b>BOARD PRACTICALS</b>	
<b>March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>	

## Marketing

<b>Book Prescribed: CBSE Notes</b>				
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>	
<b>TERM-I</b>	<b>April &amp; May</b>	Ch- Product	The students will be able to: <ul style="list-style-type: none"> <li>understand the concept, features, importance, components and levels of a product.</li> <li>describe the factors and components of product mix.</li> <li>classify the products on the basis of durability, tangibility, consumer goods and industrial goods.</li> <li>understand the stages of product life cycle and packaging, designing related decisions.</li> </ul>	
		Ch- Communication Skills - IV	The students will be able to: <ul style="list-style-type: none"> <li>identify the different parts of speech.</li> <li>understand types of sentences.</li> <li>address barriers to effective communication.</li> </ul>	
	<b>June</b>	Ch- Unit II Price Decision	The students will be able to: <ul style="list-style-type: none"> <li>understand the pricing strategies and objectives of pricing.</li> <li>understand various factors affecting pricing decisions.</li> <li>learn types of pricing and various pricing methods.</li> </ul>	
		<b>SUMMER VACATION</b>		
	<b>July &amp; August</b>	Ch-Self-Management Skills - IV	The students will be able to: <ul style="list-style-type: none"> <li>understand about setting goals for efficiently managing time.</li> <li>describe personality traits &amp; common disorders.</li> </ul>	
		Ch- Place Decision: Channels of Distribution	The students will be able to: <ul style="list-style-type: none"> <li>understand types of channels of distribution.</li> <li>explain the functions performed by various channels of distribution.</li> <li>learn various factors affecting the selection of the channel of distribution.</li> </ul>	
		Ch- ICT (Information and Communication Technology) Skills - IV	The students will be able to: <ul style="list-style-type: none"> <li>understand types and components of spreadsheet.</li> <li>develop digital literacy.</li> <li>manage data and understand basic digital concepts.</li> </ul>	
		Ch- Promotion	The students will be able to: <ul style="list-style-type: none"> <li>understand the concept, importance and various elements of promotion mix.</li> <li>describe merits and demerits of modes of promotion like advertisement, sales promotion etc.</li> </ul>	
	<b>September</b>	<b>REVISION &amp; TERM-I EXAMINATION</b>		

<b>TERM-II</b>	<b>October</b>	Ch- Emerging Trends in Marketing	The students will be able to: <ul style="list-style-type: none"> <li>• understand the new trends in marketing and how it has affected modern business.</li> <li>• understand services marketing, its characteristics and types.</li> <li>• explain online marketing, social media marketing and their advantages and disadvantages.</li> <li>• identify various social media platforms used for marketing.</li> </ul>
		Entrepreneurial Skills - IV	The students will be able to: <ul style="list-style-type: none"> <li>• understand about business planning and entrepreneurship.</li> <li>• learn about barriers to entrepreneurship.</li> <li>• learn about financial literacy.</li> </ul>
		Green Skills - IV	The students will be able to: <ul style="list-style-type: none"> <li>• develop an understanding of environmental challenges.</li> <li>• understand about natural conservation and sustainable practices.</li> </ul>
	<b>November</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
	<b>December</b>	<b>WINTER BREAK</b>	
	<b>January</b>	<b>BOARD PRACTICALS</b>	
	<b>February &amp; March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>	

## Applied Mathematics (241)

<b>Book Prescribed: NCERT</b>			
	<b>Months</b>	<b>Content</b>	<b>Learning Outcomes</b>
<b>Term -I</b>	<b>April &amp; May</b>	Ch- Matrices	<ul style="list-style-type: none"> <li>• To define matrix. Identify different kinds of matrices. To find the size / order of matrices.</li> <li>• To determine equality of two matrices. Write transpose of given matrix.</li> <li>• To define symmetric and skew symmetric matrix.</li> <li>• To perform operations like addition &amp; subtraction on matrices of same order.</li> <li>• To perform multiplication of two matrices of appropriate order.</li> <li>• To perform multiplication of a scalar with matrix.</li> </ul>
		Ch- Determinants	<ul style="list-style-type: none"> <li>• To find determinant of a square matrix. Use elementary properties of determinants.</li> <li>• To define the inverse of a square matrix. Apply properties of inverse of matrices.</li> <li>• To solve the system of simultaneous equations using i) Cramer's Rule ii) Inverse of coefficient matrix.</li> <li>• To formulate real life problems into a system of simultaneous linear equations and solve it using these methods.</li> </ul>
		Ch- Financial Mathematics.	<ul style="list-style-type: none"> <li>• To explain the concept of perpetuity and sinking fund.</li> <li>• To calculate perpetuity.</li> <li>• To differentiate between sinking fund and saving account.</li> <li>• To explain the concept of EMI.</li> <li>• To calculate EMI using various methods.</li> <li>• To explain the concept of rate of return and nominal rate of return. Calculate rate of return and nominal rate of return.</li> <li>• To understand the concept of Compound Annual Growth Rate.</li> <li>• To Differentiate between Compound Annual Growth Rate and Annual Growth Rate.</li> <li>• To Calculate Compound Annual Growth Rate.</li> <li>• To Define the concept of linear method of Depreciation.</li> <li>• To Interpret cost, residual value and useful life of an asset from the given information. Calculate depreciation.</li> </ul>

	<b>June</b>	Ch- Numbers, Quantification and Numerical Applications	<ul style="list-style-type: none"> <li>To define modulus of an integer.</li> <li>To apply arithmetic operations using modular arithmetic rules.</li> <li>To define congruence modulo.</li> <li>To apply the definition in various problems.</li> <li>To understand the rule of allegation to produce a mixture at a given price.</li> <li>To determine the mean price of a mixture.</li> <li>To solve real life problems mathematically.</li> <li>To distinguish between upstream and downstream.</li> <li>To express the problem in the form of an equation.</li> <li>To determine the time taken by two or more pipes to fill or empty the tank.</li> <li>To compare the performance of two players w.r.t. time, distance.</li> <li>To describe the basic concepts of numerical inequalities.</li> <li>To understand and write numerical inequalities.</li> </ul>
	<b>SUMMER BREAK</b>		
	<b>PERIODIC TEST-I</b>		
	<b>July &amp; August</b>	Ch- Differentiation and its Applications	<ul style="list-style-type: none"> <li>To determine second and higher order derivatives.</li> <li>To understand differentiation of parametric functions and implicit functions.</li> <li>To determine the rate of change of various quantities.</li> <li>To understand the gradient of tangent and normal to a curve at a given point.</li> <li>To write the equation of tangents and normal to a curve at a given point.</li> <li>To define marginal cost and marginal revenue.</li> <li>To find marginal cost and marginal revenue.</li> <li>To determine whether a function is increasing or decreasing.</li> <li>To Determine critical points of the function.</li> <li>To find the point(s) of local maxima and local minima and corresponding local maximum and local minimum values.</li> <li>To find the absolute maximum and absolute minimum value of a function.</li> <li>To solve applied problems.</li> </ul>
		Ch- Linear Programming	<ul style="list-style-type: none"> <li>To familiarize with terms related to Linear Programming Problem.</li> <li>To formulate Linear Programming Problem.</li> <li>To identify and formulate different types of LPP.</li> <li>To draw the Graph for a system of linear inequalities involving two variables and to find its solution graphically.</li> <li>To identify feasible, infeasible, bounded and unbounded regions.</li> <li>To understand feasible and infeasible solutions.</li> <li>To find optimal feasible solution.</li> </ul>
		Ch- Index numbers and Time-based data	<ul style="list-style-type: none"> <li>To identify time series as chronological data.</li> <li>To distinguish between different components of time series.</li> <li>To solve practical problems based on statistical data and Interpret the result.</li> <li>To understand the long-term tendency.</li> <li>To demonstrate the techniques of finding trend by different methods.</li> </ul>
	<b>September</b>	<b>REVISION &amp; TERM-I EXAMINATION</b>	
<b>TERM-II</b>	<b>October &amp; November</b>	Ch- Integration and its Applications	<ul style="list-style-type: none"> <li>To understand and determine indefinite integrals of simple functions as anti-derivative.</li> <li>To evaluate indefinite integrals of simple algebraic functions by method of: <ul style="list-style-type: none"> <li>i) substitution ii) partial fraction iii) by parts.</li> </ul> </li> <li>To define definite integral as area under the curve.</li> </ul>



		<ul style="list-style-type: none"> <li>To understand fundamental theorem of Integral calculus and apply it to evaluate the definite integral.</li> <li>To apply properties of definite integrals to solve the problems.</li> <li>To identify the region representing C.S. and P.S. graphically.</li> <li>To apply the definite integral to find consumer surplus-producer surplus.</li> </ul>
	Ch- Differential Equations and Modelling	<ul style="list-style-type: none"> <li>To recognize a differential equation.</li> <li>To find the order and degree of a differential equation.</li> <li>To formulate differential equation.</li> <li>To verify the solution of differential equation.</li> <li>To solve simple differential equation.</li> <li>To define Growth and Decay Model.</li> <li>To apply the differential equations to solve Growth and Decay Models.</li> </ul>
	Ch- Inferential statistics	<ul style="list-style-type: none"> <li>To define Population and Sample.</li> <li>To differentiate between population and sample.</li> <li>To define a representative sample from a population.</li> <li>To differentiate between a representative and nonrepresentative sample.</li> <li>To draw a representative sample using simple random sampling.</li> <li>To draw a representative sample using and systematic random sampling.</li> <li>To define Parameter with reference to Population.</li> <li>To define Statistics with reference to Sample.</li> <li>To explain the relation between Parameter and Statistic.</li> <li>To explain the limitation of Statistic to generalize the estimation for population.</li> <li>To interpret the concept of Statistical Significance and Statistical Inferences.</li> <li>To State Central Limit Theorem.</li> <li>To explain the relation between Population-Sampling Distribution-Sample.</li> <li>To define a hypothesis.</li> <li>To differentiate between Null and Alternate hypothesis.</li> <li>To define and calculate degree of freedom.</li> <li>To test Null hypothesis and make inferences using t-test statistic for one group / two independent groups.</li> </ul>
	Ch- Probability Distribution	<ul style="list-style-type: none"> <li>To understand the concept of Random Variables and its Probability Distributions.</li> <li>To find probability distribution of discrete random variable.</li> <li>To apply arithmetic mean of frequency distribution to find the expected value of a random variable.</li> <li>To calculate the Variance and S.D. of a random variable.</li> <li>To identify the Bernoulli Trials and apply Binomial Distribution.</li> <li>To evaluate Mean, Variance and S.D of a binomial distribution.</li> <li>To understand the Conditions of Poisson Distribution.</li> <li>To evaluate the Mean and Variance of Poisson distribution.</li> <li>To understand normal distribution is a Continuous distribution.</li> <li>To evaluate value of Standard normal variate. Area relationship between Mean and Standard Deviation.</li> </ul>
<b>December</b>	<b>PROJECT SUBMISSION &amp; PRE - BOARD EXAMINATION</b>	
<b>January &amp; February</b>	<b>WINTER BREAK</b>	
	<b>BOARD PRACTICALS</b>	
<b>March</b>	<b>BOARD PRACTICALS &amp; CBSE BOARD EXAMINATION</b>	