

VIVEKANAND PUBLIC SCHOOL

Class XII

Curriculum Planner for 2023-24

Subject- Accountancy

Chapter Name	No. of Periods	Learning Outcome
UNIT ACCOUNTING FOR PARTNERSHIP FIRMS: 1. FUNDAMENTALS 2. CHANGE IN PROFIT SHARING RATIO 3.ADMISSION OF A PARTNER	105	To enable the learners to State the meaning of partnership, partnership firm and partnership deed., describe different types of partners, sanctify the characteristic features of partnership and the contents of partnership deed. Differentiate between fixed and fluctuating capital, outline the process and develop the understanding of preparation of Profit and Loss Appropriation Account. Develop the understanding of making past adjustments. State the meaning, nature and factors affecting goodwill develop the understanding of valuation of Goodwill .
COMPANY ACCOUNTS: 1.ACCOUNTING FOR SHARES	45	*State the meaning of share and share capital and differentiate between equity shares and preference shares and different types of share capital. Explain the accounting treatment of share capital transactions regarding issue of shares. *Develop the understanding of accounting treatment of forfeiture and re-issue of forfeited shares. *Describe the presentation of share capital in the balance sheet of the company. Explain the accounting treatment of different categories of transactions related to issue of debentures. *State the meaning of redemption of debentures develop the understanding of accounting treatment of transactions related to redemption of debentures.
PART B ANALYSIS OF FINANCIAL STATEMENTS: 1.FINANCIAL STATEMENTS OF A COMPANY (i) Statement of Profit and Loss and Balance Sheet in prescribed form with major headings and sub headings (as per Schedule III to the Companies Act, 2013) (ii) Tools of Analysis – Ratio Analysis 2.ACCOUNTING RATIOS	30	*Develop the understanding of preparation of balance sheet as per the prescribed norms/formats. *Tools for Financial Statement Analysis: Inter-firm comparison, common size statements, cash flow analysis and ratio analysis. *Develop the skill of computation of debt equity ratio, total asset to debt ratio, proprietary ratio and interest coverage ratio. explain the computation of stock turnover ratio, debtors' turnover ratio and working capital turnover ratio. Profitability Ratios: Gross Profit Ratio, Operating Ratio, Net Profit Ratio and Return on Investment

<p>Part A UNIT ACCOUNTING FOR NOT-FOR PROFIT ORGANISATIONS ACCOUNTING FOR PARTNERSHIP FIRMS: 1 RETIREMENT AND DEATH OF A PARTNER 2 DISSOLUTION OF PARTNERSHIP FIRMS COMPANY ACCOUNTS: 1.ACCOUNTING FOR DEBENTURES</p>	<p>20</p>	<p>Students will be able to</p> <ul style="list-style-type: none"> *State the meaning of a Not-for-profit organization and its distinction from a profit-making entity. *State the meaning of receipts and payments account, and understanding its features. *Develop the understanding and skill of preparing receipts and payments account. *State the meaning of income and expenditure account and understand its features. *Develop the understanding and skill of preparing income and expenditure account and balance sheet of a not for profit organization with the help of given receipts and payments account and additional information. *State the meaning of redemption of debentures. *Develop the understanding of accounting treatment of transactions related to redemption of debentures by lump sum, draw of lots and *Creation of Debenture Redemption Reserve.
<p>PART B ANALYSIS OF FINANCIAL STATEMENTS: 1.FINANCIAL STATEMENTS OF A COMPANY 2 CASH FLOW STATEMENT</p>	<p>20</p>	<ul style="list-style-type: none"> *Develop the understanding and skill of preparation of comparative and common size financial statements. *State the meaning and objectives of cash flow statement. *Develop the understanding of preparation of Cash Flow Statement using indirect method as per AS 3 with given

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Subject- Biology

Chapter Name	No. of Periods	Learning Outcome
Chapter-2, Sexual reproduction in flowering plants	8	To know about flower structure, To understand events of sexual reproduction in angiosperms, To know about types & process of pollination
Chapter-3, Human Reproduction	10	To get awareness about structure & function of male & female reproductive organs, Process of gametogenesis, Fertilization events and embryo Development
Chapter-4, Reproductive Health	7	To get awareness about the health & diseases of reproductive organs, contraceptive methods and ARTs. To know about RCH
Ch-5, Principles of Inheritance and Variations	16	To know about Mendel's work and different Inheritance patterns., To understand multiple allelism, pleiotropy, polygenic inheritance, To know process of sex determination in various organisms
Ch-6, Molecular Basis of Inheritance	10	To know about the structure and working of Nucleic Acid, Transcription, translation, To know about the role of HGP and process & use of DNA Fingerprinting
Ch-7, Evolution	7	To know about the origin of life on earth and evolution of Man, To study homologous & analogous organs, convergent and divergent evolution
Ch-8, Human Health and Diseases	7	To get awareness about common diseases, AIDS, Cancer, To know about types & role of immunity, To understand what drugs and alcohol abuse are.
Ch-10, Microbes in Human Welfare	6	To get awareness about the uses/ importance of microbes in various fields like brewery, medicine, food & other areas for the benefit of human life.
Ch-11, Biotechnology- Principles and Processes	10	To get knowledge about principles of Biotechnology. To know about tools and the process of DNA Recombination. T understand about restriction enzymes & their naming
Ch-12, Biotechnology and its Applications	8	To get knowledge about Biotechnical applications in agriculture, medicine etc. To know r-DNA technology and related patent & ethical issues.

Ch-13, Organism and Its population.	6	To understand the relation Between an organism and its environment, To know about adaptations, To know about different types of interactions among organisms.
Ch-15, Biodiversity and Conservation	6	To understand the role of biodiversity, causes of loss of biodiversity and how it can be conserved.
Environment and natural resources	7	Students will be able to examines the growing significance of environmental as well as resource issues in world politics. Comparative perspective on the notion of common property resources and issues of global commons.
Regional Aspirations	8	Students will be able to: Recount a decade of conflicts and accord of political instability in the regions like Assam, Punjab, Jammu and Kashmir. To analyse various factors contributed to the tensions arising out of regional aspirations and the lessons for achieving unity with diversity.
Indian Politics: Recent trends and Development	8	Students will be able to: witnessed five developments that were to make a long-lasting impact on our politics. major developments include Ram Janmabhoomi movement, Mandalisation and Rise of Coalition politics

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Curriculum Planner for 2023-24

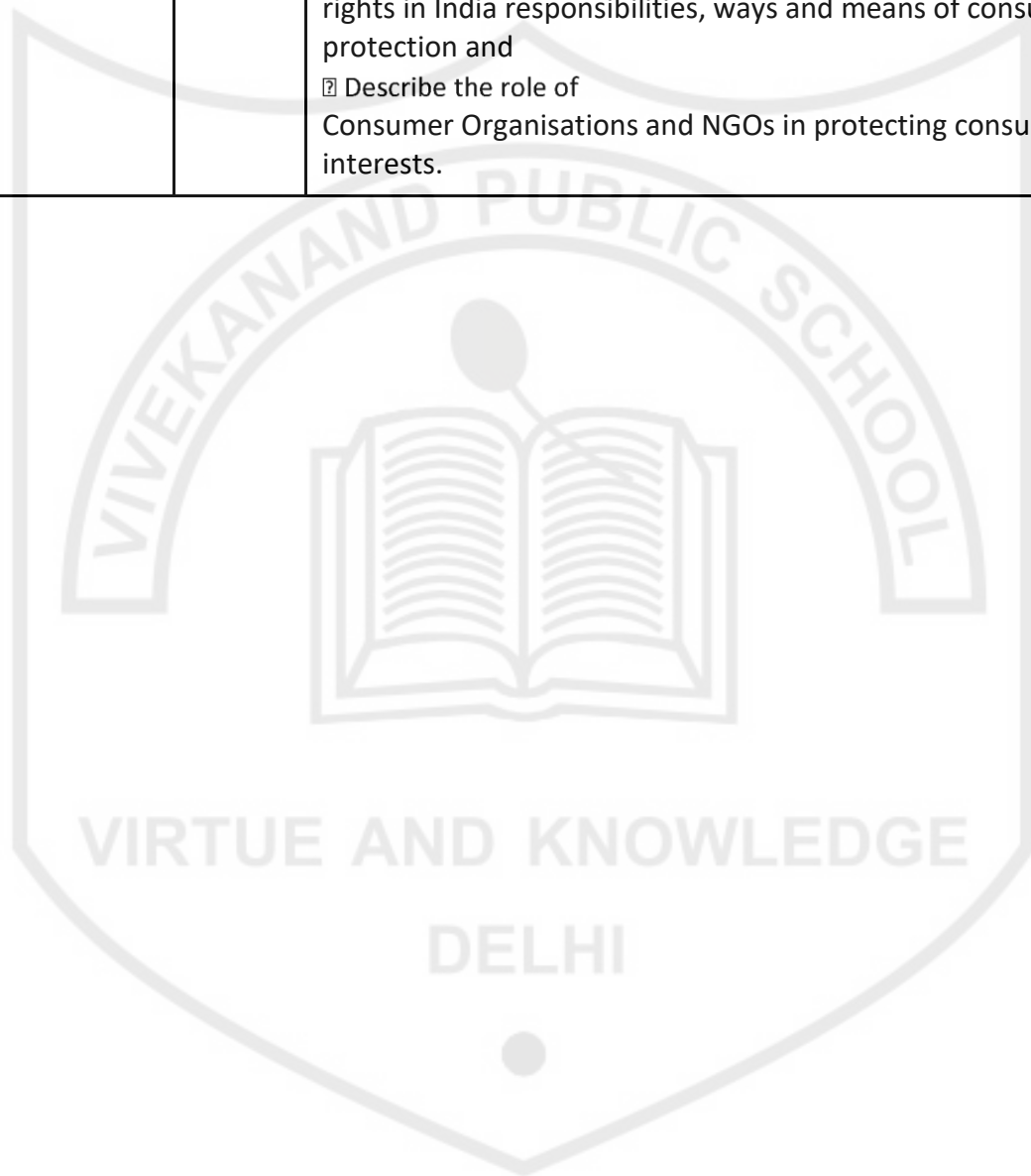
Subject- Business Studies

Chapter Name	No. of Periods	Learning Outcome
Chapter- 1 Nature and Significance of Management	10	<ol style="list-style-type: none">1.Understand the concept of management.2.Understand the role of top, middle and lower levels of management3. Discuss the concept and characteristics of coordination.4.Explain the meaning of 'Effectiveness and Efficiency.5. Discuss the objectives of management.6.Describe the importance of management.7. Examine the nature of management as a science, art and profession.8. Explain the concept importance of coordination.9.Explain the functions of management
Chapter-2 Principles of Management	09	<ol style="list-style-type: none">1. Understand the concept and importance of Principles of Management.2. Describe the management Principles of Henry Fayol.3. State the Scientific Principles by F. W. Taylor.4. Explain the comparative and complementary relation between Fayol's and Taylor's principles.
Chapter– 11 Marketing	10	<ol style="list-style-type: none">1.Student will be able to identify the different marketing functions like Branding, Packaging, Labelling and Sales Promotion etc.2.The student will be able to understand the concept of marketing and features of marketing.3. He will be able to describe the concept of marketing management with the marketing management philosophies.4.Familiarity with the concept of marketing mix and its different components.5. Analyze and understand the concept of product as an element of marketing management.6.The student will be able to understand the concept of branding, labeling, and packaging.7. Understand the concept of price as an element of marketing mix.8.The student will be able to understand the concept of

		<p>physical distribution.</p> <p>9. Describe in detail the elements of promotion mix</p>
Chapter- 3 Business Environment	08	<p>After going through this Unit, the students will be able to:</p> <ol style="list-style-type: none"> 1. Describe the meaning of business environment & its features & importance. 2. Discuss different elements of business environment. 3. Develop an understanding about Demonetization.
Chapter- 4 Planning	8	<p>Students will know and understand</p> <ol style="list-style-type: none"> 1. The meaning of planning. 2. The features and importance of planning 3. The limitations and importance of planning. 4. The steps in the process of planning. 5. Types of plans- single use and standing plans
Chapter- 5 Organizing	10	<p>After going through this unit ,the student/ learner would be able to</p> <ol style="list-style-type: none"> 1. Understand the organization structure and process of organizing 2. Structure of organisation- functional and divisional concept with advantages and disadvantages 3. Formal and informal organisation- concept ☑ Explain the advantages, disadvantages and 4. Understand the concepts and elements of delegation. 5. Decentralization: concept and importance ☑ Differentiate between delegation and decentralisation.
Chapter- 6 Staffing	09	<ol style="list-style-type: none"> 1. To understand the concept and importance of staffing 2. Understand the meaning of recruitment. 3. Discuss the sources of recruitment. 4. Explain the merits and demerits of internal and external sources of recruitment. 5. Understand the concept of training and development. 6. Appreciate the importance of training to the organization and to the employees. 7. Discuss the meaning of induction training, vestibule training, apprenticeship training and internship training. 8. Discuss on the job and off the job methods of training

Chapter-7 Directing	10	<p>After going through this Unit, the students will be able to:</p> <ol style="list-style-type: none"> 1. State the meaning and importance of directing as a function of management. 2. Become aware of the elements of directing viz .supervision, motivation, leadership and communication. 3. Understand the meaning and functions of a supervisor, meaning of motivation, Maslow’s theory of need hierarchy and types of incentives. 4. Describe the concept and styles of leadership. 5. Recognise the meaning and types of communications and barriers to effective communication along with measures to overcome the barriers.
Chapter-8 Controlling	8	<p>Understand the concept of controlling.</p> <ol style="list-style-type: none"> 1. Explain the importance and limitations of controlling. 2. Describe the relationship between planning and controlling 3. Discuss the steps in the process of controlling.
Chapter-9 Financial Management	10	<ol style="list-style-type: none"> 1. Understand the concept of financial management. 2. Describe financial decisions- Investment decision, Financing decisions and Dividend decisions. 3. Explain the factors affecting capital structure. 4. Discuss Trading on Equity. 5. Understand the factors affecting fixed capital and working capital requirement.
Chapter-10 Financial Market	09	<p>After going through this Unit ,the students will be able to:</p> <ol style="list-style-type: none"> 1. Understand the meaning and types of financial markets. 2. Become aware of the different money market instruments like treasury bills, certificate of deposit, commercial paper etc. 3. Explain the meaning of capital market. 4. Understand the importance and functions of primary market & secondary market 5. Discuss the functions of stock exchange in Indian context. 6. Understand the meaning of dematerialisation of share and

		<p>Role of depository services in facilitating share trading.</p> <p>7.Appreciate the need for regulation of financial markets.</p> <p>8.Become aware of the existing regulatory framework.</p>
Chapter- 12 Consumer Protection	08	<ul style="list-style-type: none"> ☐ State the importance of consumer protection; ☐ Briefly explain legal framework for consumer protection in India ☐ Describe consumer rights in India responsibilities, ways and means of consumer protection and ☐ Describe the role of Consumer Organisations and NGOs in protecting consumers' interests.



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Class XII

Curriculum Planner for 2023-24

Subject- Chemistry

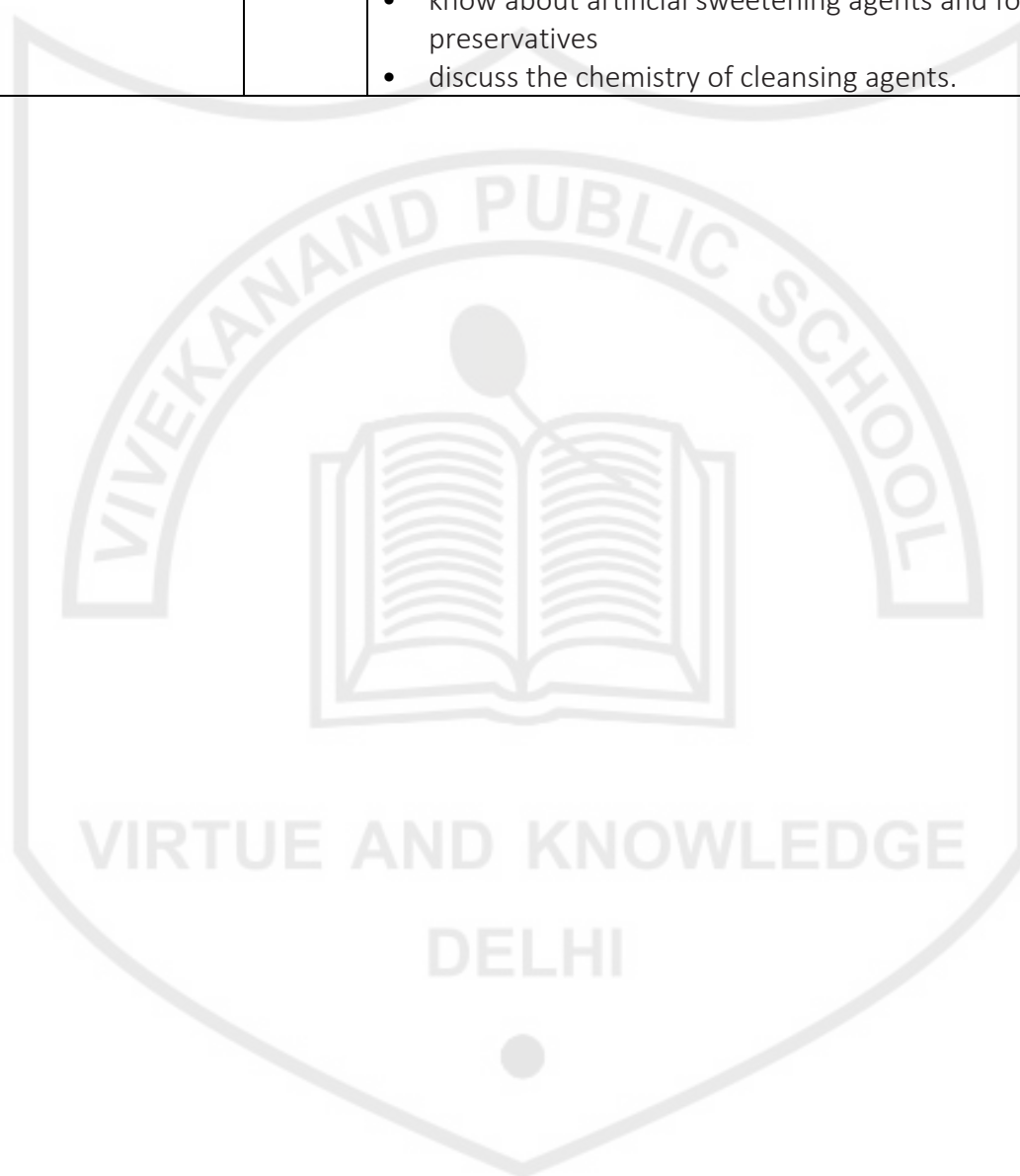
Chapter Name	No. of Periods	Learning Outcome
Chapter-1 The Solid State	10	Students will be able to: describe general characteristics of solid state; <ul style="list-style-type: none">distinguish between amorphous and crystalline solids;classify crystalline solids based on the nature of binding forces;define crystal lattice and unit cell;explain close packing of particles;describe different types of voids and close packed structures;calculate the packing efficiency of different types of cubic unit cells;correlate the density of a substance with its unit cell properties;imperfections in solids and their effect on properties;electrical and magnetic properties of solids and their structure.
Chapter-2. Solution	10	Student will be able to: - <ul style="list-style-type: none">Describe the formation of different type of solution.Express concentration of solution in different unit.Implementation of Henry's and Raoult's law.Distinguish between ideal and non-ideal solutionUnderstand the deviation of solution from ideal behaviour.Explain the colligative properties solution having non-volatile solute
Chapter-3. Electrochemistry	12	Student will be able to: - <ul style="list-style-type: none">Describe the formation of different type of cell.Find the cell potential of electrochemical cell using Nernst equation.Understand conductivity and molar conductivity and effect of dilutionknow the use of cell in daily life.Explain the different type of corrosion

Chapter-4. Chemical Kinetics	10	<p>Student will be able to: -</p> <ul style="list-style-type: none"> • Distinguish between slow, fast and moderate reaction. • define the average and instantaneous rate of reaction. • derive the integrated rate equation for first and zero order reaction. • differentiate between order of reaction and molecularity. • Discuss the factors affecting the rate of reaction. • Understand the collision theory.
Chapter-5. Surface Chemistry	08	<p>Student will be able to: -</p> <ul style="list-style-type: none"> • Distinguish between Physical and chemical adsorption. • Understand the mechanism of adsorption. • know the effect of pressure on adsorption. • differentiate lyophilic and lyophobic sol. • form stable sol. • predict the charge on colloidal particles. • enhance his/her knowledge about emulsion and their stability
Chapter-6. General principles and processes of isolation of elements	08	<p>Students will be able to: -</p> <ul style="list-style-type: none"> • Distinguish between Minerals and ores. • Understand the mechanism extraction of metal from its ore. • predict the reducing agents used to reduce metal oxide into metals. • use Ellingham diagram to find the appropriate temperature.
Chapter-7. p Block Elements	12	<p>Students will be able to: -</p> <ul style="list-style-type: none"> • Distinguish between p- block elements. • Understand the physical and chemical properties of elements. • know the different methods used to obtain their compounds. • predict the reducing and oxidizing nature of their compounds
Chapter-8. d & f – block elements	12	<p>Students will be able to: -</p> <ul style="list-style-type: none"> • Distinguish between d & f block elements. • Understand the physical and chemical properties of elements. • know the different methods used to obtain their compounds. • predict the reducing and oxidizing nature of their compounds

Chapter-9. Coordination Compounds	12	<p>Students will be able to: -</p> <ul style="list-style-type: none"> Describe the term coordination complex & ligand. Give the name of coordination compound. Describe the various type of isomerism in complex compound. Mention the hybridization in complex compound. identify low spin and high spin complex. describe crystal field splitting energy. Use various type of theories (Werner's theory, Valence bond theory, Crystal-field theory)
Chapter-10. Haloalkanes and Haloarenes	10	<p>Students will be able to: -</p> <ul style="list-style-type: none"> Able to recognize structures alkyl halides Able to convert given name of alkyl halides to structure. Able to write the order of reactivity of different halogen derivatives. Able to describe different classes of halogen compounds. Able to write down structure of halogen compounds.
Chapter-11. Alcohols, Phenols & Ethers	10	<p>Students will be able to: -</p> <ul style="list-style-type: none"> Name Alcohols, Phenols and Ethers according to the IUPAC system Discuss the reactions involved in the preparation of alcohols from (i) alkenes(ii) aldehydes, ketones and carboxylic acids Discuss the reactions involved in the preparation of Ethers from(i) alcohols and (ii) alkyl halides and sodium alkoxides / aryloxides Correlate physical properties of alcohols, phenols and ethers with their structures Discuss chemical reactions of the three classes of compounds on the basis of their functional groups.
Chapter-12. Aldehyde, ketone, carboxylic acid	13	<p>A student will be able to understand</p> <ul style="list-style-type: none"> To understand how to name different aldehydes and ketones. To understand the reactivity of different carbonyl compounds towards nucleophilic reaction. To understand how to write the products of addition reaction to carbonyl compounds. To understand to differentiate between aromatic and aliphatic compounds.

Chapter-13. Organic Compounds containing Nitrogen	10	<p>A student will be able to understand</p> <ul style="list-style-type: none"> • Provide both IUPAC and common names for amines. • Differentiate primary, secondary, and tertiary amines. • Utilize the pK_b values of amine or the pK_a values of the conjugate acids of amines and arrange the order of basicity of amines. • Utilize the pK_b values of amine or the pK_a values of the conjugate acids of amines and predict the dominant products for an acid-base reaction.
Chapter-14. Biomolecules	10	<p>A student will be able to understand</p> <ul style="list-style-type: none"> • Learn the elements present in biomolecules and the difference monomers and polymers. • Explain the role of water in synthesis and breakdown of polymers. • For each group of biomolecules learn the name of its generic monomer (simple unit) and polymer (complex structure) and their function. • Carbohydrates: Identify their chemical elements and the difference between simple sugars and complex carbohydrates. • On the food labels compare and contrast the structure and function of the carbohydrates and where they are found: glucose, • Describe the function of DNA.
Chapter-15. Polymers	08	<p>Students will be able to: -</p> <ul style="list-style-type: none"> • Be able to list three typical advantages of polymers relative to metals and ceramics. • Be able to list two typical disadvantages of polymers relative to metals and ceramics. • Be able to name two types of polymerization reactions and a polymer of biomedical interest produced by each method. • Be able describe three processing techniques typically used to fabricate polymeric components. • Be able to explain how chemical and/or physical cross-linking influences the behaviour of polymeric materials. • Be able to describe how mechanical properties of a polymer typically change as it passes through its glass transition temperature. • Be able to describe the typical features and biomedical uses of polyamides.

Chapter-16. Chemistry in Everyday Life	06	After studying this Unit Student will be able to <ul style="list-style-type: none">• visualise the importance of Chemistry in daily life;• explain the term 'chemotherapy'• describe the basis of classification of drugs• explain drug-target interaction of enzymes and receptors• explain how various types of drugs function in the body• know about artificial sweetening agents and food preservatives• discuss the chemistry of cleansing agents.
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Curriculum Planner 2023-24

Subject – Computer Science

Chapter Name	No of Periods	Learning Outcome
Chapter-1 Review of Python Basics.	18pds	Learner recapitulates the basics of Python Learner increases the conceptual knowledge, Learner revised the different data types & their functions .
Chapter-2 Working with Functions	12pds	Apply the concepts of modularity through functions
Chapter-3 Using Python Libraries	5pds	create and use Python libraries
Chapter- 4 Data File handling	36pds	Explain and use the concept of file handling ➤ Text Files ➤ Binary Files ➤ CSV Files
Chapter- 5 Data Structures	9pds	Students will able to Learn the basic types for data structure, implementation and application. Use the appropriate data structure in context of solution of given problem.
Chapter- 6 Communication Networks.	18pds	Understand how the Internet works today Familiarity with the basic protocols of computer networks, types of networks, topologies
Chapter – 7 Relational Database & SQL	36pds	The student will: <ul style="list-style-type: none">• have a broad understanding of database concepts and database management system software.• learner is able to write SQL commands to create tables insert/update/delete data, and query data in a relational DBMS.• Learner is able to retrieve data with various tables through Joins
Chapter- 8 Interface python with MySQL	18pds	<ul style="list-style-type: none">• Learner is able to connect the python and MySQL

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Curriculum Planner for 2023-24

Subject- Economics

Chapter Name	No. of Periods	Learning Outcome
<u>Macro Economics: -</u> Unit-1: -National Income and its related aggregates.	30	Learners will be able to know the various basic aggregates related to National Income and understand the computation of different aggregates using formula.
Unit-2: -Money and Banking	15	Making the learners understand about money supply and role of banks in Indian economy.
Unit-3: -Theory of Income and employment.	30	Learners will be able to identify the components of Aggregate demand and Aggregate Supply know the working of investment multiplier and how equilibrium level of output is attained using AD and AS and Savings and Investment Approach.
Unit-4: -Government Budget and the Economy	17	Learners will be able to know about the estimated expenditures of government and the various sources of revenue.
Unit-5: -Balance of Payment and Foreign Exchange	18	Learners will be able to identify the accounts of BOP and their components and the types of foreign exchange rate systems.
VIRTUE AND KNOWLEDGE		
<u>Indian Economic Development: -</u> Chapter-1:-Indian Economy on the eve of Independence.	8	To make the learners identify the main causes of agricultural backwardness and state of industries, foreign trade, occupational structure, demographic profile, and infrastructure during colonial rule.
Chapter-2: -Indian Economy (1950-90)	10	To enable the learners, know about five-year plans and the objectives of planning during this period.
Chapter-3: - Economic Reforms Since 1991	10	Make the learners know about LPG policies and its need and the various reform measures taken by the government to open up our economy for the world.

Chapter-4: - Human Capital Formation	10	Enabling the learners to identify the various sources of human capital formation and the role of human capital formation in economic development of our country.
Chapter-5: -Rural Development	15	Enabling the learners to know about the key issues of rural development and identify the alternative sustainable livelihood options and to understand the process of agricultural marketing and organic farming.
Chapter-6: - Employment- Informalisation and Casualisation of Workforce.	10	To enable the learners know the situation of employment in India and the types, causes and measures of unemployment and features of formal and informal sectors.
Chapter-7: - Environment and Sustainable development.	15	To Enable the learners to identify the functions of environment and the various strategies of Sustainable development.
Chapter-8: - Development experiences of India, China and Pakistan.	12	To enable the learners to study the basic comparison between the development strategies followed by India, China and Pakistan and the development path followed by these nations

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Subject- English

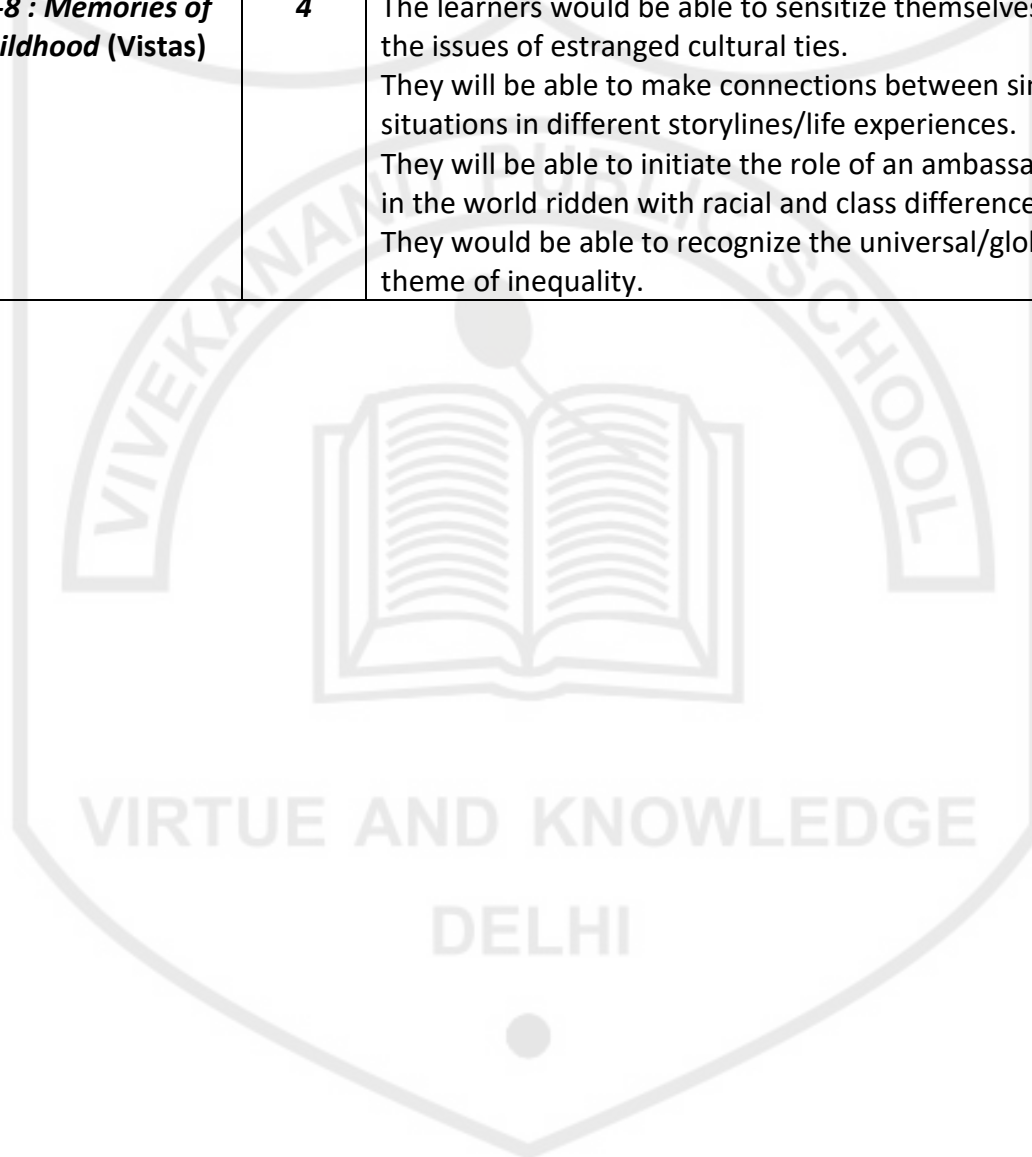
Chapter Name	No. of Periods	Learning Outcome
Unseen Passage (Reading skill)	3	1. Acquainting the students with reading comprehension strategies and skills that facilitate their understanding and analysing of written texts effectively and easily. 2. Cultivating in the students the love for reading, and developing their oral and silent reading skills; also training students on critical reading and thinking.
Notice (Writing Skill)	3	1. to enable the students to apply the correct format while writing a notice. 2. to make the students comprehend why a notice is written and the style and procedure.
Letter to Editor (Writing Skill)	2	Students will be able: 1. To enable to organise their thoughts and express freely. 2. To develop an interest towards writing thus enhancing their writing skills.
Advertisements (Writing Skill)	7	to construct own messages to convey the meanings they intend and to evoke the responses they desire. To let them learn persuasive techniques used in advertising.
Article (Writing Skill)	2	1. To enable the learners to develop an interest towards writing. 2. Their planning and organizing techniques would be enhanced. 3. They would be able to research on any subject and derive information from facts and present him in the form of a written piece. 1. Their creative writing would be analysed.
Poster (Writing Skill)	2	To express ideas aesthetically and relevantly with definition in purpose, expressions, grammar usage, format usage, relevant vocabulary
Speech/debate (Writing Skill)	4	Students will be able : i)to organise their thoughts and express freely. ii) To relate their writing skills with real life situations. iii)To develop an interest towards writing thus enhancing their writing skills

Ch-1: The Last Lesson (Flamingo)	4	Students will be able: 1. To develop their optimistic attitude towards life amidst many struggles. 2. To enable them to familiarize themselves with specific background information of Alphonse Daudet/ history of France. 3. To enable them to make connections between similar situations in different storylines/life experiences like Indians under British imperialism.
Ch-2: Lost Spring (Flamingo)	4	Students will be able: 1. To sensitize the students to the problem of child labour. 2. To facilitate making connections between similar situations in different storylines/life experiences. 3. to identify the problem, consider the options, weigh the pros and cons of each option, and reach a decision/opinion/solution.
Poem 1. My Mother at Sixty Six (Flamingo)	3	Students will be able: 1. To encourage the students to appreciate poetry and read aloud with proper intonation. 2. To be able to grasp the theme and meaning of the poem.
Poem 2. An Elementary School Classroom In A Slum (Flamingo)	5	Students will be able: • to guide the students to become a social human and erase to sensitize the students to the prevalent inequalities in the society -to sensitize the students to the specific background information of social inequalities.
Ch-1: The Third Level (Vistas)	3	To let the students know that escapism from any negative situation is not the remedy
Ch-2: The Tiger King (Vistas)	4	1. The Learners will be able to uncover motives, absorb didactics. 2.They would be able to familiarize with specific Royal Indian background information of the author/history of cruel insensitive kings who found pleasure in hunting and killing innocent animals.
Invitations And Replies (Writing Skill)	6	To enable the learners 1. to express their ideas cohesively without any difficulty and spontaneously with expressions, grammar usage and relevant vocabulary for a hospitable announcement of an event.
4. Report Writing (Writing Skill)	3	to write formal reports for school magazines/events/processes/ or in local newspapers . -to express ideas harmoniously and chronologically

5. Job application (Writing Skill)	5	<p>1. To enable the learners to understand the nature and purpose of a letter of application.</p> <p>2. To enable the learners to examine a variety of letters to determine best layout, content and style.</p> <p>1. To enable them to develop and produce their own letter of application and prepare cover letter and attached bio data.</p>
Ch-3: Deep Water (Flamingo)	5	<p>-to prepare the students for Crisis Management.</p> <p>-to inculcate the values of hard work and determination.</p>
Ch-4: The Rattrap (Flamingo)	6	<p>The students would be able to identify the insecurity while tackling personal fears and horrors that lurk in the recesses of our mind.</p> <p>They would be able to appreciate the significance of developing personal fears yet rising above them to savour real liberty.</p>
Poem 3. Keeping Quiet (Flamingo)	4	<p>1. To enable them to realize the need of the hour and establish peace.</p> <p>2. To inculcate the values of introspection, retrospection, peace, sensitivity to the environment, universal brotherhood, empathy and self awareness.</p>
Poem 4. Thing Of Beauty (Flamingo)	4	<ul style="list-style-type: none"> The students would be able to learn that creation of God has its own beauty and importance and understand about the degradation of aesthetic sense among people in their busy schedule of life
Ch-3: Journey to the End of the Earth (Vistas)	3	<p>Students will be able to-</p> <p>-understand that millions of years ago humans hadn't arrived and the climate was much warmer with a variety of flora and fauna.</p> <p>-understand that to study the Earth's past, present and future, Antarctica is the place</p> <p>-analyse and evaluate the effect of human population and climate change. -understand</p>
Ch-4 : The Enemy (Vistas)	8	<p>1 The learners will be able to familiarize themselves with specific background of political enmity.</p> <p>2 They will be able to identify and make connections between similar situations in own life experiences where our prejudices often hinder our human compassion and empathy for a political enemy.</p> <p>4. They will be able to understand the significance of professional ethics and social obligation in sensitive times.</p>
Ch-5: Indigo (Flamingo)	6	<p>1. To let the students know how effective leadership can solve any kinds of problems without any harm to anybody.</p>

		2. To aware them about the unequal economic system that existed during colonial British rule.
Ch-6: Poets and Pancake (Flamingo)	4	Students will be able to- -analyse the working conditions and people involved in the studios. -understand that there was a great deal of national integration. -understand the use of talent and creativity at its best. -analyse that good poetry and music are the deciding factor in the popularity of the film. -gain knowledge of Gemini Studios and the people from different regions and religions working together
Poem 5. A Roadside stand (Flamingo)	4	Students will be able to i) understand the contrast between the lives of rich and poor ii)acquaint themselves with the world around them iii) learn not only from books but from the examples around them iv)comprehend the poem and enhance the vocabulary v) identify the figures of speech vi) understand that the economic well-being of a country depends on a balanced development of the villages and the cities
Ch 5: Evans tries an O level (Vistas)	8	Students will be able to 1. develop the skills required in managing situations 2. understand the multidimensional approach to the problem 3. have confidence and presence of mind in adverse circumstances 4. understand that one should not jump on to the conclusions without verifying the facts
Ch-6: On The Face of It (Vistas)	5	The learners would be able to fight out their loneliness, depression and disappointment. They would accept the physically challenged people positively in their life and expand their social interaction.
Ch 7: interview (Flamingo)	4	Students will be able to i) express personal opinion on the interview genre ii) know the opinions of eminent people about interview iii) understand that the interview holds a position of unprecedented power and influence. iv) learn the Analytical skills, Thinking skills, Observatory skills, Interviewing skills v) enjoy an excerpt from an interview with an author.
Ch-8: Going Places (Flamingo)	5	To let the students understand the difference between reality and fantasizing to understand relationships and bonding in the family

Poem 6. Aunt Jennifer's Tiger (Flamingo)	3	Students will be able to 1. understand the critical appreciation of the poem 2. understand that man and woman are equal 3. empathise with the victims of male chauvinism
Ch-7: Should Wizard hit Mommy (Vistas)	6	Students will be able to 1. voice their opinions. 2. understand the viewpoints of others skills 3. appreciate the fact that elders will realise that the children have their own identity, views and attitudes.
Ch-8 : Memories of Childhood (Vistas)	4	The learners would be able to sensitize themselves to the issues of estranged cultural ties. They will be able to make connections between similar situations in different storylines/life experiences. They will be able to initiate the role of an ambassador in the world ridden with racial and class differences. They would be able to recognize the universal/global theme of inequality.



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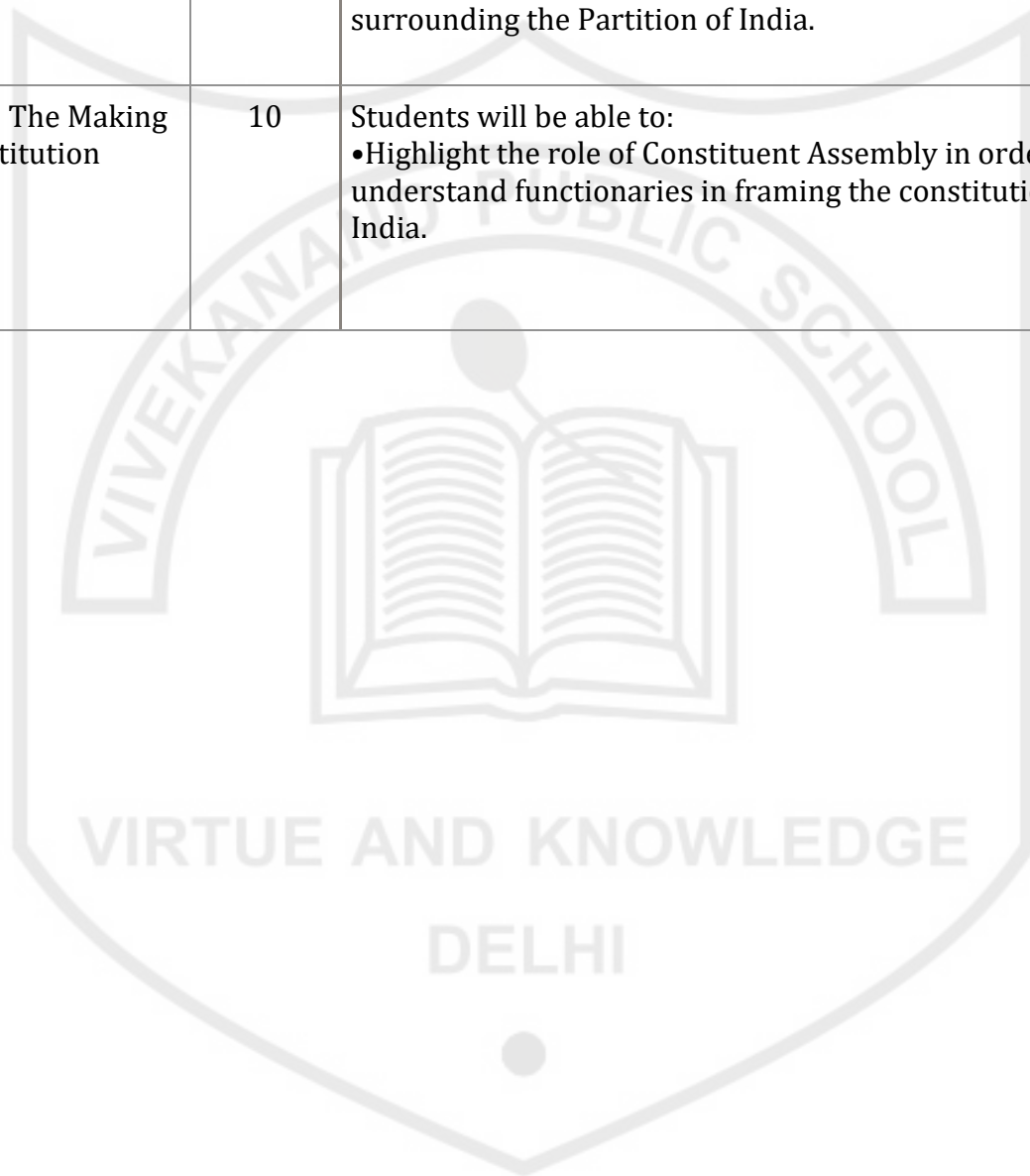
Curriculum Planner for 2023-24

Subject- History

Chapter Name	No of Periods	Learning Outcomes
Chapter-1 Breaks, beads and bones... That happen civilization	10	Students will be able to: <ul style="list-style-type: none">• State and deduce the multi-lateral aspects of Harappan civilization in order to understand the first civilization of the world.• Develop an ability to use and analyze socio- economic, political aspects of Harappa• Investigate and interpret multiple historical and contemporary sources and viewpoints of ASI and historians on Harappa.
Chapter-2 Kings, farmers and towns – – early states and economies	10	Students will be able to: Explain major trends in the 6th century BCE in order to understand the political and economic history of the subcontinent. <ul style="list-style-type: none">•Analyze inscriptional evidences and the ways in which these have shaped the understanding of political and economic processes.
Chapter-3 Social Histories: using the Mahabharata	12	Students will be able to:- <ul style="list-style-type: none">• Analyze social norms in order to understand the perspectives of society given in the scriptures of ancient India.• Examine the varied dimensions explored by historians in order to understand the dynamic approach of Mahabharata.
Chapter-4 A History of Buddhism: Sanchi Stupa	12	students will be able to: <ul style="list-style-type: none">• Compare the distinct religious facets in order to understand the religious developments in ancient India• Elucidate the rich religious sculpture and infer the stories hidden in it.
Chapter-5 Medieval Society through Travellers' Accounts	10	<ul style="list-style-type: none">• Identify the accounts of foreign travellers in order to understand the social political and economic life during the tenure of different rulers in the medieval period

Chapter-6 Religious Histories: The Bhakti-Sufi Tradition	10	<ul style="list-style-type: none"> • Summarize the philosophies of different Bhakti and Sufi saints to understand the religious developments during medieval period. • Comprehend the religious movement in order to establish unity, peace, harmony and brotherhood in society.
Chapter-7 New Architecture: Hampi	7	<ul style="list-style-type: none"> • Classify the distinctive architectural contributions of the Vijayanagar empire to comprehend the richness of mingled cultures of deccan India • Analyze accounts of foreign traveller's on Vijayanagar in order to interpret political, social and cultural life of the city.
Chapter-8 Agrarian Relations: The Ain-i- Akbari	10	<ul style="list-style-type: none"> • Comprehend the facets of agrarian developments in order to understand the relationship between the state and agriculture during the Mughal period. • Compare and contrast the agrarian changes occurred during the sixteenth and seventeenth centuries.
Chapter 9 The Mughal Court: Reconstructing Histories through Chronicles	10	<ul style="list-style-type: none"> • Summarise the political and social practices of the Mughal empire in order to understand their administrative dynamics. • Examine the account given in the chronicles to reconstruct the social, religious and cultural history of Mughals
Chapter 10 Colonialism and Rural Society: Evidence from Official Reports	10	<ul style="list-style-type: none"> • Compare and contrast the revenue systems introduced by the British in order to understand the economic aspects of colonisation in India. • Analyze the colonial official records & reports in order to understand the divergent interest of British and Indians.
Chapter-11 Representations of 1857	7	<ul style="list-style-type: none"> • Correlate the planning and coordination of the rebels of 1857 to infer its domains and nature. • Examine the momentum of the revolt in order to understand its spread. • Identify and Interpret visual images to understand the emotions portrayed by the nationalist and British
Chapter-12 Colonialism and Indian Towns: Town Plans and Municipal	10	<ul style="list-style-type: none"> • Compare and contrast the different patterns of urban culture during different phases • Analyse the rationale of British in the planning of the colonial prime cities : Calcutta, Bombay and Madras. • Illustrate and examine different architectural

Chapter-13 Mahatma Gandhi through Contemporary Eyes	12	<ul style="list-style-type: none"> • Analyse the significant contributions of Gandhiji in order to understand his mass appeal for nationalism. • Analyse the perceptions and contributions of different communities towards the Gandhian movement
Chapter-14 Partition through Oral Sources	12	<ul style="list-style-type: none"> • Examine the developments that helped in the culmination of communal politics in the earlier decades of the twentieth century in order to understand the causes, events and consequences of partition of India. • Summarise and Contextualise the events and opinions surrounding the Partition of India.
Chapter-15 The Making of the Constitution	10	<p>Students will be able to:</p> <ul style="list-style-type: none"> • Highlight the role of Constituent Assembly in order to understand functionaries in framing the constitution of India.



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Subject- Mathematics

Chapter Name	No. of Periods	Learning Outcome
Chapter – 1: Relations and functions	8	Understand and appreciate the role of Relations and Functions Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.
Chapter – 2: Inverse Trigonometric Functions	3	Students will able to define Definition and graph, range, domain, principal value branch.
Chapter – 3: Matrices	5	The students will be able to define Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operation on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non- commutativity of multiplication of matrices, Invertible matrices; (Here all matrices will have real entries)
Chapter – 4: Determinants	6	Students will able to describe Determinant of a square matrix (up to 3×3 matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix.
Chapter –5: Continuity and Differentiability	10	Students will be able to understand the concept of Continuity and differentiability, derivative of composite functions, chain rule, derivative of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions. Logarithmic differentiation, derivative of functions expressed in parametric forms.
Chapter –6: Applications of Derivative	12	Learners will be able to understand the Applications of derivatives: increasing/decreasing functions, tangents and normal, maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).
Chapter –7: Integrals	15	Understand and appreciate the role of Integration as inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions and by parts, properties of Definite integrals.

Chapter –8: Application of integrals	6	Students will be able to define Applications in finding the area under simple curves, especially lines, parabolas; area of circles /ellipses (in standard form only) (the region should be clearly identifiable).
Chapter –9: Differential Equations	8	The students will be able to define Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order
Chapter –10: Vectors	5	Students will be able to describe Vectors Vector and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.
Chapter –11: Three-Dimensional Geometry	7	Students will be able to understand the concept of Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, coplanar and skew lines, shortest distance between two lines. Cartesian and vector equation of a plane. Distance of a point from a plane.
Chapter –12: Linear Programming	5	Students get knowledge Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems. Graphical method of solution for problems in two variables, feasible and infeasible regions (bounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).
Chapter –13: Probability	8	Learners will be able to understand Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem, Random variable and its probability distribution.

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Curriculum Planner for 2023-24

Subject- Physical Education

CHAPTER NAME	NO OF PERIOD	LEARNING OUTCOME
Unit I Management of Sporting Events	30	Learners will be able to understand: - <ol style="list-style-type: none">1. Functions of Sports Events Management (Planning, Organizing, Staffing, Directing & Controlling)2. Various Committees & their Responsibilities (pre; during & post)3. Fixtures and its Procedures - Knock-Out (Bye & Seeding) & League (Staircase & Cyclic
Unit II Children & Women in Sports	20	Learners will be able to understand: - <ol style="list-style-type: none">1. Common Postural Deformities - Knock Knee; Bow Legs; Flat Foot; Round Shoulders; Lordosis, Kyphosis, and Scoliosis and their corrective measures2. Special consideration (Menarche & Menstrual Dysfunction)3. Female Athletes Triad (Osteoporosis, Amenorrhea, Eating Disorders)
Unit III Yoga as Preventive measure for Lifestyle Disease	25	Learners will be able to understand: - <ol style="list-style-type: none">1. Obesity: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Pavanmuktasana, Matsayasana, Halasana, Pachimottansana, Ardha - Matsyendrasana, Dhanurasana, Ushtrasana, Suryabedhan pranayama.2. Diabetes: Procedure, Benefits & Contraindications for Katichakrasana, Pavanmuktasana, Bhujangasana, Shalabhasana, Dhanurasana, Supta-vajarasana, Paschimottanasana, Ardha-Mastendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati.3. Asthma: Procedure, Benefits & Contraindications for Tadasana, Urdhwahastottansana, UttanMandukasana, Bhujangasana, Dhanurasana, Ushtrasana,

		<p>Vakrasana, Kapalbhathi, Gomukhasana Matsyaasana, Anuloma-Viloma.</p> <p>4. Hypertension: Procedure, Benefits & Contraindications for Tadasana, Katichakransan, Uttanpadasana, Ardha Halasana, Sarala Matyasana, Gomukhasana, UttanMandukasana, Vakrasana, Bhujangasana, Makarasana, Shavasana, Nadi-shodhanapranayam, Sitlipranayam.</p>
Unit IV Physical Education & Sports for CWSN (Children with Special Needs - Divyang)	15	<p>Learners will be able to understand :-</p> <ol style="list-style-type: none"> 1. Organizations promoting Disability Sports (Special Olympics; Paralympics; Deaflympics) 2. Advantages of Physical Activities for children with special needs. 3. Strategies to make Physical Activities assessable for children with special needs.
Unit V Sports & Nutrition	15	<p>Learners will be able to understand :-</p> <ol style="list-style-type: none"> 1. Concept of balance diet and nutrition 2. Macro and Micro Nutrients: Food sources & functions 3. Nutritive & Non-Nutritive Components of Diet
Unit VI Test & Measurement in Sports	15	<p>Learners will be able to understand :-</p> <ol style="list-style-type: none"> 1. Fitness Test – SAI Khelo India Fitness Test in school: <ol style="list-style-type: none"> i. Age group 5-8 yrs/ class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test ii. Age group 9-18yrs/ class 4-12: BMI, 50mt Speed test, 600mt Run/Walk, Sit & Reach flexibility test, Strength Test (Abdominal Partial Curl Up, Push-Ups for boys, Modified Push-Ups for girls). 2. Computing Basal Metabolic Rate (BMR) 3. Rikli & Jones - Senior Citizen Fitness Test <ol style="list-style-type: none"> i. Chair Stand Test for lower body strength ii. Arm Curl Test for upper body strength iii. Chair Sit & Reach Test for lower body flexibility iv. Back Scratch Test for upper body flexibility v. Eight Foot Up & Go Test for agility vi. Six Minute Walk Test for Aerobic Endurance
Unit VII	20	Learners will be able to understand :-

Physiology & Injuries in Sports		<ol style="list-style-type: none"> 1. Physiological factors determining components of physical fitness 2. Effect of exercise on Muscular System 3. Effect of exercise on Cardio-Respiratory System 4. Sports injuries: Classification (Soft Tissue Injuries -Abrasion, Contusion, Laceration, Incision, Sprain & Strain; Bone & Joint Injuries - Dislocation, Fractures - Green Stick, Comminuted, Transverse Oblique & Impacted)
Unit VIII Biomechanics & Sports	10	<p>Learners will be able to understand :-</p> <ol style="list-style-type: none"> 1. Newton's Law of Motion & its
	2.	<ol style="list-style-type: none"> 3. application in sports 4. Equilibrium – Dynamic & Static and Centre of Gravity and its application in sports
	7.	<ol style="list-style-type: none"> 5. Friction & Sports 6. Projectile in Sports
Unit IX Psychology & Sports	20	<p>Learners will be able to understand :-</p> <ol style="list-style-type: none"> 1. Personality; its definition & types (Jung Classification & Big Five Theory) 2. Meaning, Concept & Types of Aggressions in Sports 3. Psychological Attributes in Sports – Self Esteem, Mental Imagery, Self Talk, Goal Setting.
Unit X Training in Sports	15	<p>Learners will be able to understand :-</p> <ol style="list-style-type: none"> 1. Concept of Talent Identification and Talent Development in Sports 2. Introduction to Sports Training Cycle – Micro, Meso, Macro Cycle. 3. Types & Method to Develop – Strength, Endurance and Speed 4. Types & Method to Develop – Flexibility and Coordinative Ability

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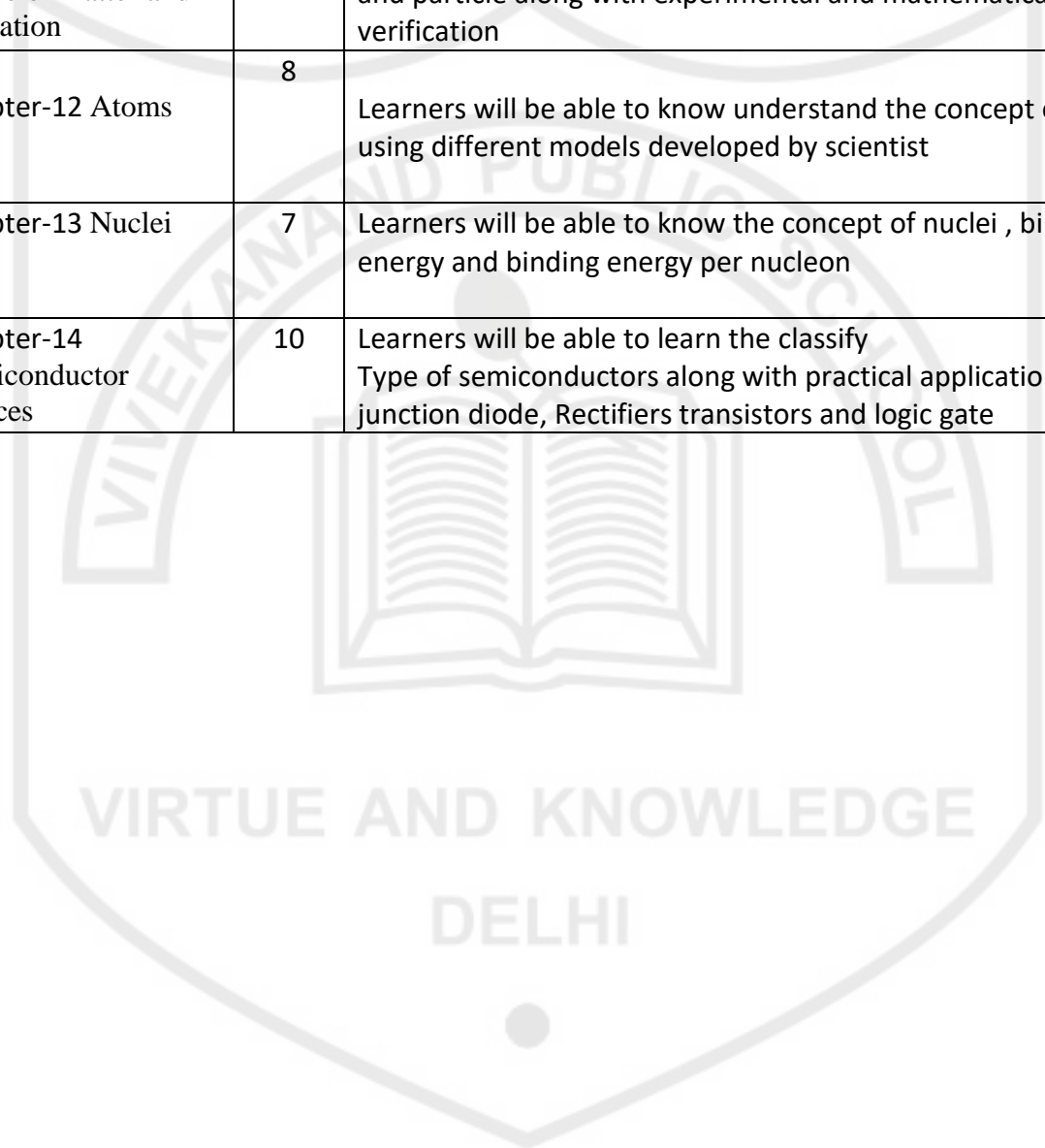
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Curriculum Planner for 2023-24

Subject- Physics

CHAPTER NAME	No. of Periods	LEARNING OUTCOME
Chapter-1 Electric charges and fields	10	Learners will be able to know about the characteristics of charges. Learners will be able to understand the meaning of electric field and electric field intensity, electric dipole and dipole moment and Gauss Law
Chapter-2 Electrostatic potential and capacitance	10	Learners will be able to know the potential and potential difference. Relation between electric charges and field and working of charge storing device i.e., capacitor
Chapter-3 Current electricity	12	Learners will be able to know about the term current and also the process of finding unknown current in a loop using KVL, KCL. Students will be able to understand the practical application of resistors and different electrical instruments like Wheatstone bridge, meter bridge
Chapter-4 Moving charges and magnetism	12	Learners will be able to understand the various method to find Magnetic field around a a current carrying conductor and the force between two parallel conductors
Chapter-5 Magnetism and Matter	8	Learners will be able to know the concept of Earth's magnetic field and different types of magnetic material
Chapter-6 Electromagnetic Induction	10	Learners will be able to know different method to induce Emf n a given conductor which is useful to understand the construction of Mutual and Self-induction.
Chapter-7 Alternating Current	10	Learners will be able to acquire the basic knowledge about the principle, construction and working of real life application of Transformer and Dynamo
Chapter-8 E M Waves	4	Learners will be able to understand Practical knowledge of EMW and its it's application in our daily life
Chapter-9 Ray optics	15	Learners will be able to understand different types of mirror and lenses and their respective ray diagrams for image formation along the mathematical tactics and analysis

Chapter-10 Wave optics	10	Learners will be able to differentiate between the ray and wave nature of a light using Huygens principle and young double slit experiment
Chapter-11 Dual nature of matter and Radiation	8	Learners will be able to understand the dual nature of light wave and particle along with experimental and mathematical verification
Chapter-12 Atoms	8	Learners will be able to know understand the concept of atom using different models developed by scientist
Chapter-13 Nuclei	7	Learners will be able to know the concept of nuclei , binding energy and binding energy per nucleon
Chapter-14 Semiconductor devices	10	Learners will be able to learn the classify Type of semiconductors along with practical applications in PN junction diode, Rectifiers transistors and logic gate



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Curriculum Planner for 2023-24

Subject- Political Science

Chapter Name	No. of Periods	Learning Outcome
The End of Bipolarity	9	Students will be able to: - <ul style="list-style-type: none">• Compare and analyse the historical chain of events that led to the collapse of the 'Second world' and the 'End of the cold war', also what happened to the parts of world after the collapse of Communist regime.
Challenges of Nation Building	7	Students will be able to: <ul style="list-style-type: none">• Explain years in the life of independent India were full of challenges.• Assess the story of politics in India since Independence by looking out on three challenges of Nation Building
New Centres of power	8	Students will be able to: <ul style="list-style-type: none">• Explain and relate with the structure of world politics in the early 1990s, that how alternative centres of power can limit American's dominance.• EU and ASEAN have emerged as forces of regional cooperation.
Contemporary South Asia	8	Students will be able to: <ul style="list-style-type: none">• Identify the conflicts arising out of insurgency, ethnic strife and resource sharing in South Asia.• Trace the development of region cooperate.
United Nations and its Organisation	7	Students will be able to: <ul style="list-style-type: none">• Explain the role of International Organisation after collapse of USSR.• Assess the potential reform of the United Nation Security Council and the role of India's involvement to view the security council reform.
Challenges of Nation Building	7	Students will be able to: <ul style="list-style-type: none">• Explain years in the life of independent India were full of challenges.• Assess the story of politics in India since Independence by looking out on three challenges of Nation Building.
Planned Development	7	Students will be able to: Analyse the significant of economic development to ensure well-being of all.

		Compare and analyse different strategies used by our leaders to reach the goal of development.
India's foreign policy	8	Students will be able to: Compare Internal and External politics of India in maintaining International Relations. Explain the evolution of India's nuclear policy and the history of India's relations with China and Pakistan.
Parties and party system	7	Students will be able to: Analyse One party dominant system in India with reference to the emergence of congress system. explore various aspects of party system as an ideological coalition with other political party.
Democratic Upsurge	9	Students will be able to: Comparatively analyse why was Emergency imposed and was it really necessary to impose Emergency. Discover various aspects of emergency with its consequences and various lessons learnt from Emergency
Globalisation	7	Students will be able to <ul style="list-style-type: none"> • Analyse the concept of globalisation and its causes • Explore the length and breadth of the political, economic and cultural consequences of globalisation . • Studying the impact of globalisation on India as well as how India is affecting globalisation.
Security	7	Students will be able to <ul style="list-style-type: none"> • Encounter the terms Security or National Security. •Analyse different ways of looking at security in a democratic and non-democratic regime
Environment and natural resources	7	Students will be able to examines the growing significance of environmental as well as resource issues in world politics. Comparative perspective on the notion of common property resources and issues of global commons.
Regional Aspirations	8	Students will be able to: Recount a decade of conflicts and accord of political instability in the regions like Assam, Punjab, Jammu and Kashmir. To analyse various factors contributed to the tensions arising out of regional aspirations and the lessons for achieving unity with diversity.
Indian Politics: Recent trends and Development	8	Students will be able to: witnessed five developments that were to make a long-lasting impact on our politics. major developments include Ram Janmabhoomi movement, Mandalisation and Rise of Coalition politics