



## Curriculum Plan

### July-August

### Class XII (2024-25)

1. English	<p><b>JULY</b></p> <p>WRITING</p> <ul style="list-style-type: none"><li>● Letter to the Editor</li></ul> <p>LITERATURE</p> <ul style="list-style-type: none"><li>● Journey to the End of the Earth</li><li>● A Thing of Beauty</li><li>● The Rattrap</li><li>● Aunt Jennifer's Tigers</li></ul> <p><b>AUGUST</b></p> <p>WRITING</p> <ul style="list-style-type: none"><li>● Invitations and Replies- Revision</li><li>● Letter of Application with Bio-Data - Revision</li></ul> <p>LITERATURE</p> <ul style="list-style-type: none"><li>● Going Places</li><li>● Indigo</li><li>● On the Face of It</li><li>● Keeping Quiet</li></ul>
2. Mathematics	<ul style="list-style-type: none"><li>● Application of Derivatives</li><li>● Integrals</li><li>● LPP</li></ul>
3. Physics	<ul style="list-style-type: none"><li>● CURRENT ELECTRICITY</li><li>● MAGNETIC EFFECT OF CURRENT</li><li>● MAGNETISM AND MATTER</li></ul>
4. Chemistry	<ul style="list-style-type: none"><li>● Electrochemistry</li><li>● Solutions</li><li>● Kinetics</li><li>● Aldehydes and ketones</li></ul>



<p>5. Biology</p>	<p>Unit-VII Genetics and Evolution</p> <ul style="list-style-type: none"> <li>● Chapter-5: Molecular Basis of Inheritance</li> <li>● Chapter-6: Evolution</li> </ul> <p>Unit-VIII: Biology and Human Welfare</p> <ul style="list-style-type: none"> <li>● Chapter-7: Human Health and Diseases</li> <li>● Chapter-8: Microbes in human welfare.</li> </ul>
<p>6. Biotechnology</p>	<p>Chapter 2: Protein Structure and Engg Chapter 3 : Genomics and Bioinformatics</p>
<p>7. Psychology</p>	<p>Unit 2: Self and Personality Major Approaches to the Study of Personality :</p> <ul style="list-style-type: none"> <li>● Psychodynamic Approach (contd...)</li> <li>● Post Freudian Approaches</li> <li>● Behavioural Approach</li> <li>● Cultural Approach</li> <li>● Humanistic Approach</li> </ul> <p>Assessment of Personality</p> <ul style="list-style-type: none"> <li>● Self-report Measures</li> <li>● Projective Techniques</li> <li>● Behavioural Analysis</li> </ul> <p>Unit 3: Meeting Life Challenges.</p> <ul style="list-style-type: none"> <li>● Nature, Type and sources of Stress</li> <li>● Effects of Stress on Psychological Functioning and Health</li> <li>● Stress and Health General Adaptation Syndrome</li> <li>● Stress and Immune System</li> <li>● Lifestyle :Coping with Stress</li> <li>● Stress Management Techniques</li> <li>● Promoting Positive Health and Well-being</li> <li>● Life Skills and Positive Health</li> </ul> <p>Unit 4: Psychological Disorders</p> <ul style="list-style-type: none"> <li>● Concepts of Abnormality</li> <li>● Historical Background of Psychological Disorders</li> <li>● Classification of Psychological Disorders</li> <li>● Factors Underlying Abnormal Behaviour</li> <li>● Major Psychological Disorders: Anxiety Disorders</li> </ul>



8. Economics	<p><b>JULY 2024</b></p> <p><b>Unit 6: Development Experience (1947-90) and Economic Reforms since 1991</b></p> <ul style="list-style-type: none"><li>• Economic Reforms since 1991:</li><li>• Features and appraisals of liberalization, globalization and privatization (LPG policy);</li><li>• Concepts of demonetization and GST</li></ul> <p><b>Unit 3: Determination of Income and Employment</b></p> <ul style="list-style-type: none"><li>• Aggregate demand and its components.</li><li>• Propensity to consume and propensity to save (average and marginal).</li><li>• Short-run equilibrium output; investment multiplier and its mechanism.</li><li>• Meaning of full employment and involuntary unemployment.</li><li>• Problems of excess demand and deficient demand; measures to correct them -</li><li>• changes in government spending, taxes and money supply.</li></ul> <p><b>Unit 2: Money and Banking</b></p> <ul style="list-style-type: none"><li>• Money - meaning and functions,</li><li>• Supply of money - Currency held by the public and net demand deposits held by commercial banks.</li><li>• Money creation by the commercial banking system.</li><li>• Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Government's Bank, Banker's Bank, Control of Credit through Bank Rate, Cash Reserve Ratio (CRR), Statutory Liquidity Ratio (SLR), Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement.</li></ul> <p><b>AUGUST 2024</b></p> <p><b>Unit 7: Current challenges facing Indian Economy</b></p> <ul style="list-style-type: none"><li>• Human Capital Formation: How people become resource; Role of human capital in economic development; Growth of Education Sector in India.</li><li>• Employment: Growth and changes in work force participation rate in formal and informal sectors; problems and policies.</li></ul>



9. Political Science	<b>BOOK- Politics on India Since Independence</b> L-4: India's External Relations L-5: Challenges to & Restoration of the Congress Sys L-6: The Crisis in Democratic Order <b>BOOK- Contemporary World Politics</b> L-5: Security in the Contemporary World L-6: Environment & Natural Resources L-7: Globalization
10. Geography	Chapter 4 - Water Resources Chapter 5 - Mineral & Energy Resources Chapter 6 - Planning & Sustainable Development Chapter 7 - Transport & Communication Chapter 8 - International Trade Chapter 9 - Geographical Perspective on Selected Issues
11. Business Studies	Chapter 1 Nature and Significance of Management Chapter 2 Principles of Management Chapter 3. Business Environment Chapter 4 Planning
12. History	Book II Chapter 5 - Bhakti Sufi Traditions Chapter 6 - An Imperial Capital: Vijaynagar Book III Chapter 7- Colonialism and the Countryside ( partly)
13. Fashion Studies	History of Fashion Self management Skills Green Skills
14 Computer Science	CSV Files Data Structures Database management SQL
15. Web Application	Self Management skills Entrepreneurship Skills



	<p>Movie Editing Tools Customizing and Embedding Multimedia Components in Web Pages</p>
16. Sociology	<p>INDIAN SOCIETY</p> <ul style="list-style-type: none"> <li>● Patterns of Social Inequality and Exclusion</li> </ul> <p>SOCIAL CHANGE AND DEVELOPMENT IN INDIA</p> <ul style="list-style-type: none"> <li>● Structural Change</li> <li>● Cultural Change</li> </ul>
17. Home Science	<ul style="list-style-type: none"> <li>- Food processing and technology</li> <li>- Food quality and food safety</li> <li>- Early childhood care and education</li> <li>- Management of support services, institutions and programmes for children, youth and elderly</li> <li>- Design for fabric and apparel</li> <li>- Fashion design and merchandising</li> </ul>
18. Commercial Art	<p>Poster Making , Folk Art project, Elements and Principles of Art . Bengal School</p>
19. Legal Studies	<p>Unit 1- Judiciary Unit 2- Alternative Dispute Resolution in India Unit 4- Topics in Law II Chapter 4A- Law and sustainable development Chapter 4C- Criminal Laws in India Unit 5- Concept of Human Rights Chapter 5A- Human Rights in India Chapter 5B- Human Rights Violations- Complaint Mechanism</p>
20. Physical Education	<p>UNIT 4 Physical Education &amp; Sports for (CWSN) UNIT 5 Sports &amp; Nutrition UNIT 6 Test and Measurement in Sports UNIT 7 Physiology &amp; Injuries in Sport</p>
21. Accountancy	<ul style="list-style-type: none"> <li>● Cash Flow statement</li> <li>● Comparative and common size statements</li> <li>● Fundamentals of partnership</li> <li>● Goodwill</li> <li>● Change in PSR</li> </ul>



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## Curriculum Plan

April-May

Class XII (2024-25)

1. English	<p><b>MARCH-APRIL</b></p> <p>READING</p> <ul style="list-style-type: none"><li>• Comprehension Passage</li></ul> <p>WRITING</p> <ul style="list-style-type: none"><li>• Article</li><li>• Notice</li></ul> <p>LITERATURE</p> <ul style="list-style-type: none"><li>• My Mother at Sixty-Six</li><li>• Tiger King</li><li>• Last lesson</li><li>• The Third Level</li></ul> <p><b>MAY</b></p> <p>WRITING</p> <ul style="list-style-type: none"><li>• Report Writing- Magazine and Newspaper</li></ul> <p>LITERATURE</p> <ul style="list-style-type: none"><li>• The Enemy</li><li>• Lost Spring</li><li>• Deep Water</li></ul>
2. Mathematics	<p><b>Matrices:</b></p> <p>Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Non Commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restricted to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).</p>



	<p><b>Determinants:</b></p> <p>Determinant of a square matrix (up to <math>3 \times 3</math> matrices), minors, cofactors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of systems of linear equations by examples, solving systems of linear equations in two or three variables (having unique solution) using inverse of a matrix.</p> <p><b>Relations and Functions:</b></p> <p>Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions.</p> <p><b>Inverse Trigonometric Functions:</b></p> <p>Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions.</p> <p><b>Continuity and Differentiability:</b></p> <p>Continuity and differentiability, chain rule, derivative of inverse trigonometric functions, like and , 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. Second order derivatives.</p>
3. Physics	Chapter-1: Electric Charges and Fields Chapter-2: Electrostatic Potential and Capacitance
4. Chemistry	<ul style="list-style-type: none"><li>• Halo alkanes and Haloarenes</li><li>• Alcohols and Phenols</li><li>• Aldehydes and ketones</li></ul>
5. Biology	Unit-VI Reproduction: Chapter-1: Sexual Reproduction in Flowering Plants





	<p>Chapter-2: Human Reproduction Chapter-3: Reproductive Health</p> <p>Unit-VII Genetics and Evolution: Chapter-4: Principles of Inheritance and Variation</p>
6. Biotechnology	<p>UNIT 5:Chapter 1 Recombinant DNA Technology Chapter 2 Protein Structure and Engineering</p>
7. Psychology	<p>Unit 1 : Variations in Psychological Attributes : 1. Introduction 2. Individual Differences in Human Functioning 3. Assessment of Psychological Attributes 4. Intelligence 5. Psychometric Theories of Intelligence, Information Processing Theory: Planning, Attention-arousal and Simultaneous successive Model of Intelligence, Triarchic Theory of Intelligence; Theory of Multiple Intelligences. 6. Individual Differences in Intelligence 7. Culture and Intelligence 8. Emotional Intelligence 9. Special Abilities: Aptitude: Nature and Measurement 10.Creativity</p> <p>Unit 2: Self and Personality : 1. Introduction 2. Self and Personality 3. Concept of Self 4. Cognitive and Behavioural aspects of Self 5.Culture and Self 6. Concept of Personality 7. Major Approaches to the Study of Personality : Type Approaches ; Trait Approaches ; Psychodynamic Approach</p>
8. Economics	<p><b>MARCH / APRIL 2024</b></p> <p><b>Unit 1: National Income and Related Aggregates</b></p> <ul style="list-style-type: none"> <li>● What is Macroeconomics?</li> <li>● Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation.</li> <li>● Circular flow of income (two sector model);</li> <li>● Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method.</li> </ul>



	<ul style="list-style-type: none"><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;</li><li>• Real and Nominal GDP</li><li>• GDP Deflator, GDP and Welfare</li></ul> <p><b>MAY 2024</b></p> <p><b>Unit 4: Government Budget and the Economy</b></p> <ul style="list-style-type: none"><li>• Government budget - meaning, objectives and components.</li><li>• Classification of receipts - revenue receipts and capital receipts;</li><li>• Classification of expenditure - revenue expenditure and capital expenditure.</li><li>• Balanced, Surplus and Deficit Budget</li><li>• Measures of government deficit.</li></ul> <p><b>Unit 6: Development Experience (1947-90) and Economic Reforms since 1991</b></p> <ul style="list-style-type: none"><li>• A brief introduction of the state of the Indian economy on the eve of independence.</li><li>• Indian economic system and common goals of Five Year Plans.</li><li>• Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI - role &amp; importance) and foreign trade.</li></ul>
9. Political Science	<b>BOOK- Politics on India Since Independence</b>



	<p>L-1: Challenges to Nation Building L-2 : Era of One Party Dominance L-3: Politics of Planned Development <b>BOOK-Contemporary World Politics</b> L-1: The End of Bipolarity L-2: Alternative Centres of Power L-3: Contemporary South Asia</p>
10. Geography	<p>INDIA - PEOPLE AND ECONOMY Chapter 1 - Population: Distribution and Density Chapter 2 - Human Settlements Chapter 3 - Land Resources and Agriculture Chapter 4 - Water Resources</p>
11. Business Studies	<p>Unit 9: Financial Management Unit 10: Financial Markets Unit 12: Consumer Protection</p>
12. History	<p>Book 1 Chapter 2- Kings , Farmers Towns Chapter 3 - Kinship, Caste and Class Chapter 4- -Thinkers, Beliefs, Buildings</p>
13. Fashion Studies	<p>Communication Skills Basics of Garment construction History of Fashion</p>
14. Computer Science	<p>Functions File Handling Data Structures</p>
15. Web Application	<p>ICT Skills Communication Skills Javascript Loops</p>
16. Sociology	<p><b><u>Book - Indian Society</u></b> Chapter 2 The Demographic Structure of the Indian Society Chapter 3 Social Institutions: Continuity and Change Chapter 5 Patterns of Social Inequality and Exclusion (till Social Stratification)</p>



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17. Home Science	<ol style="list-style-type: none"><li>1. Work, livelihood and career</li><li>2. Clinical nutrition and Dietetics</li><li>3. Public nutrition and health</li></ol>
18. Commercial Art	Black and white story illustration story book. Story Book Cover. Poster in three flat colours. Rajasthani Miniatures.
19. Legal Studies	Unit 3- Topics in Law-1 A- Law of Contract B- Law of Torts C- Law of Property D- Intellectual Property Law Unit 1- Judiciary
20. Physical Education	UNIT 1 Management of Sporting Events UNIT 2 Children and Women in Sports UNIT 3 Yoga as Preventive measure for Lifestyle Disease
21. Accountancy	<ul style="list-style-type: none"><li>● 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)</li><li>● Ratio analysis</li><li>● Cash flow analysis.</li></ul>