Curriculum Plan
April-May
Class XII (2024-25)

1.	English	**MARCH-APRIL** READING • Comprehension Passage WRITING ● Article ● Notice LITERATURE ● My Mother at Sixty-Six ● Tiger King ● Last lesson ● The Third Level **MAY** WRITING ● Report Writing- Magazine and Newspaper LITERATURE ● The Enemy ● Lost Spring ● Deep Water
2.	Mathematics	**Matrices:** 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).

		Determinants: Determinant of a square matrix (up to 3 x 3 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. **Relations and Functions:** Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions. **Inverse Trigonometric Functions:** Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions. **Continuity and Differentiability:** 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.
3.	Physics	Chapter–1: Electric Charges and Fields Chapter–2: Electrostatic Potential and Capacitance
4.	Chemistry	● Halo alkanes and Haloarenes ● Alcohols and Phenols ● Aldehydes and ketones
5.	Biology	Unit-VI Reproduction: Chapter-1: Sexual Reproduction in Flowering Plants

		Chapter-2: Human Reproduction Chapter-3: Reproductive Health Unit-VII Genetics and Evolution: Chapter-4: Principles of Inheritance and Variation
6.	Biotechnology	UNIT 5:Chapter 1 Recombinant DNA Technology Chapter 2 Protein Structure and Engineering
7.	Psychology	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 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
8.	Economics	**MARCH / APRIL 2024** **Unit 1: National Income and Related Aggregates** - What is Macroeconomics? - Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation. - Circular flow of income (two sector model); - Methods of calculating National Income - Value Added or Product method, Expenditure method, Income method.

	- 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 - GDP Deflator, GDP and Welfare **MAY 2024** **Unit 4: Government Budget and the Economy** - Government budget - meaning, objectives and components. - Classification of receipts - revenue receipts and capital receipts; - Classification of expenditure – revenue expenditure and capital expenditure. - Balanced, Surplus and Deficit Budget - Measures of government deficit. **Unit 6: Development Experience (1947-90) and Economic Reforms since 1991** - A brief introduction of the state of the Indian economy on the eve of independence. - Indian economic system and common goals of Five Year Plans. - Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role & importance) and foreign trade.
9. Political Science	**BOOK- Politics on India Since Independence**

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

17.	Home Science	1. Work, livelihood and career 2. Clinical nutrition and Dietetics 3. Public nutrition and health
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	● 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) ● Ratio analysis ● Cash flow analysis.