RUKMANI BIRLA MODERN HIGH SCHOOL

Syllabus for Pre-Board I (2026-27)

CLASS X

Subject	Chapter No. and Chapter Name
English	**FIRST FLIGHT** **A. Prose** 1. A Letter to God 2. Nelson Mandela - Long Walk to Freedom 3. Stories About Flying 4. From the Diary of Anne Frank 5. Glimpses of India 6. Mijbil the Otter 7. Madam Rides the Bus 8. The Sermon at Benares 9. The Proposal (Play) **B. Poems** 1. Dust of Snow 2. Fire and Ice 3. A Tiger in the Zoo 4. How to Tell Wild Animals 5. The Ball Poem 6. Amanda! 7. The Trees 8. Fog 9. The Tale of Custard the Dragon 10.For Anne Gregory **FOOTPRINTS WITHOUT FEET** 1. A Triumph of Surgery 2. The Thief's Story 3. The Midnight Visitor 4. A Question of Trust 5. Footprints Without Feet 6. The Making of a Scientist 7. The Necklace 8. Bholi 9. The Book that Saved the Earth **GRAMMAR** 1. Determiners 2. Tenses 3. Modals 4.Subject – verb concord 5.Reported speech

	CREATIVE WRITING 1.Formal Letter 2. Analytical Paragraph
Mathematics	Chapter-1: Real Numbers Chapter-2: Polynomials Chapter-3: Pair of Linear Equations in Two Variables Chapter-4: Quadratic Equations Chapter-5: Arithmetic Progressions Chapter-6: Triangles Chapter-7: Coordinate Geometry Chapter-8: Introduction to Trigonometry Chapter-9: Some Applications of Trigonometry Chapter-10: Circles Chapter-11: Areas Related to Circles Chapter-12: Surface Areas and Volumes Chapter-13: Statistics Chapter-14: Probability
Science	**PHYSICS** Chapter-9: Light- Reflection & Refraction Chapter-10: Human Eye and Colorful World Chapter-11: Electricity Chapter-12: Magnetic Effect of Current **CHEMISTRY** Chapter-1: Chemical Reactions and Equations Chapter-2: Acids, Bases and Salts Chapter-3: Metals and Non-Metals Chapter-4: Carbon and its Compounds **Biology** Chapter-5: Life processes (Nutrition, Respiration, Transportation) Chapter-6: Control and Coordination Chapter-7: How do Organisms Reproduce? Chapter-8: Heredity Chapter-13: Our Environment
Social Science	**HISTORY** Chapter -1: The Rise of Nationalism in Europe Chapter -2: Nationalism in India Chapter -3: The Making of a Global World(**To be evaluated in the Board Examination – Topic 1 to 1.3 Pre Modern World to Conquest, disease and trade)** Chapter -5: Print Culture and the Modern World **POLITICAL SCIENCE** Chapter -1: Power Sharing Chapter -2: Federalism Chapter -3: Gender , Religion and Caste

	Chapter -4: Political Parties Chapter -5: Outcomes of Democracy **Geography** Chapter-1: Resource and Development Chapter-2 : Forest and Wildlife Resources Chapter-3: Water Resources Chapter-4: Agriculture Chapter-5: Mineral and Energy Resources Chapter-6: Manufacturing Industries Chapter-7: Lifeline of National Economy **(Only map will be evaluated in Board Examination)** **ECONOMICS** Chapter-1: Development Chapter-2: Sectors of the Indian economy Chapter-3: Money and credit Chapter-4: Globalisation and the Indian economy **(To be evaluated in the Board Examination) • What is Globalisation ? • Factors that have enabled Globalisation** Chapter-5: Consumer rights **(only for project work)**
Hindi	क्षितिज- नेताजी का चश्मा बालगोबिन भगत लखनवी अंदाज एक कहानी यह भी नौबतखाने में इबादत संस्कृति सूरदास राम-लक्ष्मण-परशुराम संवाद आत्मकथ्य सूर्यकांत त्रिपाठी निराला नागार्जुन संगतकार कृतिका- माता का अंचल साना-साना हाथ जोड़ि मैं क्यों लिखता हूँ व्याकरण- रचना के आधार पर वाक्य-भेद वाच्य पद- परिचय अलंकार अपठित गद्यांश एवं काव्यांश पत्र अनुच्छेद

	विज्ञापन लेखन संदेश लेखन स्ववृत्त लेखन ईमेल लेखन
Sanskrit	पाठ-1 वाङ्मयं तपः पाठ-2 नास्ति त्यागसमं सुखम् पाठ-3 रमणीया हि सृष्टिरेषा पाठ- 4 आज्ञा गुरूणां ह्यविचारणीया पाठ- 5 अभ्यासवशगं मनः पाठ-6 राष्ट्रं संरक्ष्यमेव हि पाठ-7 साधुवृत्तिं समाचरेत् पाठ -8 तिरुक्कुरल-सूक्ति-सौरभम् 1. सन्धिः स्वरसन्धिः - वृद्धिः, यण, अयादिः, पूर्वरूपम् व्यञ्जन सन्धि - परसवर्णः (अनुस्वारस्थाने पञ्चमवर्णस्य प्रयोगः), तुगागमः, वर्गीय प्रथमवर्णस्य तृतीयवर्णे परिवर्तनम्. विसर्ग सन्धि - उत्वम्, रत्वम्, विसर्गलोपः, विसर्गस्थाने सत्वम्, शत्वम्, षत्वम् 2. समासः - वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः तत्पुरुषः - विभक्ति, नञ, उपपदः. द्वन्द्वः. अव्ययीभावः (अनु, उप, सह, निर्, प्रति, यथा) 3. प्रत्ययाः – कृतप्रत्ययौ - तव्यत्, अनीयर् तद्धितप्रत्ययाः - मतुप्, ठक्, त्व, तल स्त्रीप्रत्ययौ - टाप्, ङीप् 4. वाच्यपरिवर्तनम् - केवलम् लट् लकारे (कर्तृ-कर्म-क्रिया) 5. समयलेखनम् - अङ्कानां स्थाने शब्देषु समयलेखनम् (सामान्य – सपाद-सार्ध-पादोन) 6. अव्ययानि - इव, उच्चैः, एव, नूनम्, इतस्ततः, विना, तु, सहसा, वृथा, शनैः, इति, मा, यत्, सम्प्रति, इदानीम्, अधुना, यावत्- तावत्, बहिः, कदापि, च, अपि, पुरा, अत्र-तत्र, यथा-तथा, कदा, अद्य, श्वः, परश्वः, ह्यः, परह्यः, किमर्थम्, कुत्र, यदि-तर्हि, अतः , अथ 7. अशुद्धिसंशोधनम् - वचन-लिङ्ग-पुरुष-लकार-दृष्ट्या संशोधनम् अपठित-अवबोधनम्, पत्रलेखनं, चित्रवर्णनं, संवादपूर्तिः/कथापूर्तिः
French	**Section A:** Compréhension •Paragraph with short answers questions •True or false •Vocabulary search: Noun and verb forms/opposites/ synonyms/adjectives **Section B** Expression écrite •Informal letter

	•Rearranging of dialogue •Completing a story •Writing a message **Section C** Grammaire 1.Les verbes- infinitif, présent, impératif, imparfait, passé composé, plus que parfait, futur simple, futur antérieur, conditionnel présent 2. Le discours direct et indirect 3. Trouver la question 4. Les pronoms (COD, COI, toniques, y, en) 5. La négation 6. Les pronoms relatifs simples et composés 7. Les adjectifs et pronoms possessifs 8. Les adjectifs et pronoms démonstratifs 9. Le subjonctif **Section D** Culture and Civilization L 2-8, 10 •Short answers •True or False •Match the following •Fill in the blanks
Artificial Intelligence	**Part A** Unit -1: Communication Skills- II Unit- 2: Self-Management Skills- II Unit- 3: ICT Skills - II Unit- 4: Entrepreneurial Skills- II Unit- 5: Green Skills- II **Part B** Unit-1: Revisiting AI Project Cycle & Ethical Frameworks for AI Unit-2: Advanced concepts of Modeling in AI Unit-3: Evaluating Models Unit-4: Statistical Data Unit-5: Computer Vision Unit-6: Natural Language Processing

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Syllabus for Pre-Board I (2026-27)

CLASS - XII

Subject	Chapter No. and Chapter Name
English	**1. BOOK - FLAMINGO (Prose & Poetry)** **Prose**: 1. Chapter-1: The Last Lesson 2. Chapter-2: Lost Spring 3. Chapter-3: Deep Water 4. Chapter- 4:The Rattrap 5. Chapter-5: Indigo 6. Chapter-6: Poets & Pancakes 7. Chapter -7: Interview 8. Chapter -8: Going Places **Poetry:** 1. Poem -1: My Mother at Sixty-Six 2. Poem- 2: Keeping Quiet 3. Poem -3: A Thing of Beauty 4. Poem -4: A Roadside Stand 5. Poem -5: Aunt Jennifer's Tigers **2. BOOK - VISTAS** 1. Chapter -1: The Third Level 2. Chapter -2: The Tiger King 3. Chapter -3: Journey to the End of the Earth 4. Chapter -4: The Enemy 5. Chapter -5: On the Face of It 6. Chapter- 6: Memories of Childhood **3. WRITING SKILLS** 1. Notice 2. Formal Letter - Job Application 3. Report 4. Invitation & Replies (Formal & Informal) 5. Article Writing 6. Letter to the Editor Assessment of Listening and Speaking skills
Physics	Chapter-1: Electric Charges and Fields Chapter-2: Electrostatic Potential and Capacitance Chapter-3: Current Electricity Chapter-4: Moving Charges and Magnetism. Chapter-5: Magnetism and Matter Chapter-6: Electromagnetic Induction Chapter-7: Alternating Current Chapter-8: Electromagnetic Waves Chapter-9: Ray Optics and Optical Instruments. Chapter-10: Wave Optics Chapter-11: Dual Nature of Radiation and Matter Chapter-12: Atoms Chapter-13: Nuclei

	Chapter-14: Semiconductor Electronics Materials Devices and Simple Circuit
Chemistry	Chapter-1: Solutions Chapter-2: Electrochemistry Chapter-3: Chemical Kinetics Chapter-4: d and f block elements Chapter-5: Coordination Compounds Chapter-6: Haloalkanes and Haloarenes Chapter-7: Alcohol, Phenol and Ether Chapter-8: Aldehyde, Ketones and Carboxylic Acid Chapter-9: Nitrogen containing compounds Chapter-10: Biomolecules
Biology	Chapter-1: Sexual reproduction in flowering plants Chapter-2: Human Reproduction Chapter-3: Reproductive Health Chapter-4: Principles of inheritance and variation Chapter-5: Molecular Basis of Inheritance Chapter-6: Evolution Chapter-7: Human Health and Diseases Chapter-8: Microbes in Human Welfare Chapter-9: Biotechnology Principles and Processes Chapter-10: Biotechnology and its applications Chapter-11: Organisms and Populations Chapter-12: Ecosystem Chapter 13: Biodiversity and conservation
Mathematics	Chapter-1: Relations and Functions Chapter-2: Inverse Trigonometric Functions Chapter-3: Matrices Chapter-4: Determinants Chapter-5: Continuity and Differentiability Chapter-6: Applications of Derivatives Chapter-7: Integrals Chapter-8: Applications of Integrals Chapter-9: Differential Equations Chapter-10: Vector Algebra Chapter-11: Three-Dimensional Geometry Chapter-12: Three-Dimensional Geometry Chapter-13: Probability
Applied Mathematics	Unit-1: Numbers, Quantification and Numerical Applications Unit-2: Algebra Unit-3: Calculus Unit-4: Probability Distribution Unit-5: Inferential Statistics Unit-6: Index Numbers and Time- based Data Unit-7: Financial Mathematics Unit-8: Linear Programming
Economics	Unit-1:National Income Accounting Unit-2: Money and Banking Unit-3: Determination of Income and Employment Unit-4: Government budget and the Economy

	Unit-5: Balance of Payment Unit-6: Development experience(1947-90) and Economic Reforms since 1991 Unit-7: Current challenges facing Indian Economy Unit-8: Development experience of India- a Comparison with Neighbors
Accountancy	**PART- A Accounting for partnership firms and Companies** Chapter-1: Accounting for Partnership firms- Fundamentals Chapter-2: Goodwill: Nature and Valuation Chapter-4: Admission of a partner Chapter-3: Change in profit sharing ratio among the existing partners Chapter-5: Retirement or Death of a partner Chapter-6: Dissolution of a Partnership Firms Chapter-7: Issue of Shares Chapter-8: Issue of Debentures **PART-B Financial Statement Analysis** Chapter-1: Financial Statement of a Companies Chapter-2: Financial Statement Analysis Chapter-3: Comparative and Common size Statement Chapter-4:Accounting Ratios Chapter-5: Cash Flow Statement
Business Studies	Chapter-1: Nature and Significance of Management Chapter-2: Principles of Management Chapter-3: Business Environment Chapter-4: Planning Chapter-5: Organising Chapter-6: Staffing Chapter-7: Directing Chapter-8: Controlling Chapter-9: Financial Management Chapter-10: Financial Markets Chapter-11: Marketing Management Chapter-12: Consumer Protection
History	Theme-1: Bricks, Beads and Bones Theme-2: Kings, Farmers and Towns Theme-3: Kingship, Caste and Class Theme-4: Thinkers , Beliefs and Buildings Theme-5: Through the Eyes of the Travellers Theme-6: Bhakti-Sufi Traditions Theme-7: An Imperial Capital- Vijayanagar Theme 8: Peasants, Zamindars and the States Theme-9: Colonialism and The Countryside Theme-10: Rebels and Raj Theme-11: Mahatma Gandhi and the National Movement Theme-12:Framing of the Constitution
Political Science	**Book I: Contemporary World Politics** Chapter-1: The End of Bipolarity Chapter-2: Contemporary Centres of Power Chapter-3: Contemporary South Asia Chapter-4: International Organizations Chapter-5: Security in the Contemporary World

	Chapter-6: Environment and Natural Resources Chapter-7: Globalisation **Book II: Politics in India Since Independence** Chapter-1: Challenges of Nation-Building Chapter-2: Era of One-Party Dominance Chapter-3: Politics of Planned Development Chapter-4: India's External Relations Chapter-5: Challenges to and Restoration of the Congress System Chapter-6: The Crisis of Democratic Order Chapter-7: Regional Aspirations Chapter-8: Recent Developments in Indian Politics
Psychology	Chapter-1: Variations in Psychological Attributes Chapter-2: Self and Personality Chapter-3: Meeting Life Challenges Chapter-4: Psychological Disorders Chapter-5: Therapeutic Approaches Chapter-6: Attitude and Social Cognition Chapter-7: Social Influence and Group Processes
Entrepreneurship	Chapter1 Entrepreneurial Opportunity Chapter2- Enterprise Planning Chapter3- Enterprise Marketing Chapter4- Enterprise Growth Strategies Chapter 5- Business Arithmetic Chapter 6- Resource Mobilization
Geography	**Book 1: Fundamentals of Human Geography** Chapter-1: Human Geography Chapter-2: The World Population (Distribution, Density & Growth) Chapter-3: Human Development Chapter-4: Primary Activities Chapter-5: Secondary Activities Chapter-6: Tertiary & Quaternary Activities Chapter-7: Transport & Communication Chapter-8: International Trade **Book 2: India: People & Economy** Chapter-1: The Population: Distribution, Density, Growth & Composition Chapter-2: Human Settlements Chapter-3: Land Resources & Agriculture Chapter-4: Water Resources Chapter-5: Mineral & Energy Resources Chapter-7: Planning & Sustainable Development in Indian Context Chapter-8: Transport & Communication Chapter-9: International Trade Chapter-10: Geographical Perspective on Selected Issues & Problems
Sociology	**Book 1-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 Chapter-6- The Challenges of Cultural Diversity **Book 2- SOCIAL CHANGE AND DEVELOPMENT IN INDIA** Chapter-1: Structural Change

	Chapter-2: Cultural Change Chapter-4: Change and Development in Rural Society Chapter-5: Change and Development in Industrial Society Chapter-8:Social Movements
Commercial Arts	Chapter-1: The Rajasthani School of Miniature painting Chapter-2: The Pahari School of Miniature painting Chapter-3: The Mughal School of Miniature painting Chapter-4: The Deccan school of Miniature painting Chapter-5: The Bengal school of Painting Chapter-6: The Indian National Flag Chapter-7: The Modern Trends in Indian art
Computer Science	Chapter-1: Python Revision Tour Chapter-2: Python Revision Tour II Chapter-3: Working with Functions Chapter-4: Using Python Libraries Chapter-5: File Handling Chapter-8: Data Structures Chapter-10: Communication and Network Concepts Chapter-11: Relational Databases Chapter-12: Simple Queries in SQL Chapter-13: Table Creation and Data Manipulation Commands Chapter-14: Grouping Records, Joins in SQL Chapter-15: Interface Python with MySQL
Informatics Practices	Chapter - 1: Data Handling using Pandas-I Chapter - 3: Plotting with PyPlot Chapter - 4: Importing / Exporting Data between CSV files and Pandas Chapter - 5: MySQL Revision Tour Chapter - 6: MySQL Functions Chapter - 7: Querying using SQL Chapter – 9: Introduction to Computer Networks Chapter – 10: Introduction to Internet & Web Chapter – 11: Societal Impacts Chapter – 12: Data Protection
Physical Education	Unit 1: Management of Sporting Events (05 + 04 marks) Unit 2: Children and Women in Sports (07 marks) Unit 3: Yoga as Preventive Measure for Lifestyle Disease (06 + 01 marks) Unit 4: Physical Education and Sports for CWSN (04 + 04 marks) Unit 5: Sports and Nutrition (07 marks) Unit 6: Test and Measurement in Sports (08 marks) Unit 7: Physiology and Injuries in Sport (04 + 04 marks) Unit 8: Biomechanics and Sports (10 marks) Unit 9: Psychology and Sports (07 marks) Unit 10: Training in Sports (09 marks)