

CLASS- XII  
Half Yearly Syllabus  
2024-25

Somerville School, Vasundhara Enclave, Delhi-96

| S.NO. | SUBJECTS             | TOPIC/ CHAPTER  |
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| 1.    | <b>ENGLISH</b>       | <b>1. Reading Comprehension</b><br>Unseen Passages (factual, descriptive, or literary /discursive or persuasive)<br><b>2. Short Writing Tasks</b><br>a. Notice b. Invitations (Formal/ Informal/ Replies)<br><b>3. Long Writing Tasks</b><br>a. Letter to the Editor<br>b. Article<br><b>4. Literature</b><br><b>Course Book:</b> <ol style="list-style-type: none"> <li>1. My Mother at Sixty-Six (Poem)</li> <li>2. Keeping Quiet (Poem)</li> <li>3. Deep Water</li> <li>4. The Last Lesson</li> <li>5. Lost Spring</li> <li>6. Aunt Jennifer's Tigers (Poem)</li> <li>7. The Interview</li> <li>8. A Thing of Beauty (Poem)</li> </ol> <b>Supplementary Reader:</b> <ol style="list-style-type: none"> <li>1. The Third Level</li> <li>2. The Enemy</li> <li>3. Journey to the End of the Earth-Tishani Joshi</li> <li>4. Memories of Childhood</li> </ol> <b><u>Assessment of Listening and Speaking Skills</u></b> |
| 2.    | <b>PURE MATHS</b>    | Chapter.1: Relations and Functions<br>Chapter.2: Inverse Trigonometric Functions<br>Chapter.3: Matrices<br>Chapter.4: Determinants<br>Chapter.5: Continuity and Differentiability<br>Chapter.6: Applications of Derivatives<br>Chapter 7: Integrals   |
| 3.    | <b>APPLIED MATHS</b> | Chapter1: Numbers, Quantification and Numerical Applications<br>Chapter 2: Numerical Inequalities<br>Chapter 3: Matrices<br>Chapter 4: Determinants<br>Chapter 5: Differentiation<br>Chapter 6: Applications of Derivatives<br>Chapter 7: Integrals<br>Chapter 8: Differential Equations  |

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| 4.  | <b>CHEMISTRY</b>         | Unit 1: Solutions<br>Unit 2: Electrochemistry<br>Unit 6: Haloalkanes and Haloarenes<br>Unit 7: Alcohols, Phenols and Ethers<br>Unit 8: Aldehydes, Ketones and Carboxylic acids<br>Unit 9: Amines   |
| 5.  | <b>PHYSICS</b>           | Unit 1: Electrostatics<br>Unit 2: Current Electricity<br>Unit 3: Magnetic effects of current and magnetism<br>Unit 4: Alternating current and Electromagnetic induction<br>Unit 5: Electro-Magnetic wave<br>Unit 6: Optics ( except wave optics)   |
| 6.  | <b>BIOLOGY</b>           | Unit 1: Reproduction<br>Unit 2: Genetics and Evolution<br>Unit 3: Biology in Human Welfare<br>Unit 4: Biotechnology  |
| 7.  | <b>HISTORY</b>           | Theme 1 - Bricks, Beads and Bones<br>Theme 2 - Kings, Farmers and Towns<br>Theme 3 - Kinship, Caste and Class<br>Theme 4 - Thinkers, Beliefs and Buildings<br>Theme 5 – Through the Eyes of Travellers<br>Theme 6 – Bhakti-Sufi Traditions<br>Theme 7 – An Imperial Capital Vijayanagara<br>Map Work   |
| 8.  | <b>ECONOMICS</b>         | Part A: Introductory Macroeconomics:<br>Unit 1: National Income and Related Aggregates<br>Unit 2: Money and Banking<br>Unit 3: Determination of Income and Employment<br><br>Part B: Indian Economic Development<br>Unit 6: Development Experience (1947-90) and Economic Reforms since 1991<br>Unit 7: Current challenges facing Indian Economy<br>Human Capital Formation<br>Rural development |
| 9.  | <b>POLITICAL SCIENCE</b> | Contemporary World Politics<br>1. The End of Bipolarity<br>2. Alternative centre of Powers<br>3. South Asia<br><br>Politics in India Since Independence<br>1. Challenges of Nation-Building<br>2. Era of one Party dominance<br>3. Politics of Planned Development<br>4. India's Foreign Policy<br>5. Challenges to and Restoration of the Congress System<br>6. The Crisis of Democratic order  |
| 10. | <b>ACCOUNTANCY</b>       | PART A: ACCOUNTING FOR PARTNERSHIP FIRMS<br>Chapter-1 Accounting for Partnership Firms- Fundamentals<br>Chapter-2 Goodwill: Nature and Valuation<br>Chapter-3 Change in Profit- Sharing Ratio among the Existing   |

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|     |                               | Partners<br>Chapter-4 Admission of a Partner<br>Chapter-5 Retirement of a Partner<br>Chapter-6 Death of a Partner<br>Chapter-7 Dissolution of a Partnership Firm<br><br>PART B: FINANCIAL STATEMENT ANALYSIS<br>Chapter-1 Financial Statements of a Company<br>Chapter-2 Financial Statement Analysis<br>Chapter-3 Comparative and common size statements |
| 11. | <b>BUSINESS STUDIES</b>       | PART A:<br>Chapter 1-Nature and Significance of management.<br>Chapter 2- Principles of Management<br>Chapter 3- Business environment<br>Chapter 4- Planning<br>Chapter 5-Organising<br>Chapter 6- Staffing<br>PART B:<br>Chapter 11- Marketing Management  |
| 12. | <b>PSYCHOLOGY</b>             | Chapter-1 Variations in Psychological Attributes<br>Chapter-2 Self and Personality<br>Chapter-3 Meeting Life Challenges<br>Chapter- 4 Psychological Disorders<br>Practical- Three Psychological Tests   |
| 13. | <b>PHYSICAL EDUCATION</b>     | Unit 1 Management of sporting events<br>Unit 2 - Children and women in sports<br>Unit 3 - Yoga as preventive measure for lifestyle disease<br>Unit 4 - Physical education and sports for CWSN (Children with special needs - Divyang)<br>Unit 5 – Sports and nutrition<br>Unit 6 - Test and measurement in sports   |
| 14. | <b>COMPUTER SCIENCE</b>       | Chapter 1 –Review Of Python Basics<br>Chapter 2- Functions<br>Chapter 3- Exception Handling<br>Chapter 4-Data File Handling<br>Chapter 7- Relational Databases And SQL<br>Chapter 8-Interface Python With SQL   |
| 15. | <b>APPLIED ART</b>            | Unit 1- The Rajasthani and Pahari School of Miniature painting<br>Unit 2- The Mughal and Deccan school of Miniature painting<br>Unit 3- Evolution of national flag  |
| 16. | <b>INFORMATION TECHNOLOGY</b> | <b>EMPLOYABILITY SKILLS</b><br>Unit 1 : Communication Skills- IV<br>Unit 2: Self-management Skills- IV<br>Unit 3: Information and Communication Technology Skills- IV<br>Unit 4: Entrepreneurial Skills- IV<br>Unit 5: Green Skills- IV<br><b>SUBJECT SPECIFIC SKILLS</b><br>Unit-1: Database Concepts – RDBMS tool                                       |

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|  |  | Unit -2: Operating Web Based Applications<br>Unit-3: JAVA - Fundamentals of Java programming, Introduction to Java, Object Oriented Programming, Java Language Elements, Operators, Control Flow |
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