

**RAHUL MODEL PUBLIC SCHOOL**  
**Recognised Senior Secondary & Affiliated to CBSE**  
**Railway Road, Sadh Nagar-II, Palam Colony, New Delhi**  
**Syllabus of Mid – Term Examination**  
**Session- 2024-25**  
**Class – XII<sup>th</sup> (Science)**

<b>Subject</b>	<b>Syllabus</b>
<b>English</b>	<p><b>FLAMINGO</b></p> <p><b>Prose:</b>  Lesson-1 The Last Lesson  Lesson-2 Lost Spring  Lesson-3 Deep Water  Lesson-4 The Rattrap  Lesson-5 Indigo</p> <p><b>Poetry:</b>  Poem- 1 My Mother at Sixty Six  Poem-2 Keeping Quiet  Poem - 3 A Thing of Beauty</p> <p><b>VISTAS:</b>  Lesson-1 The Third Level  Lesson -2 The Tiger King  Lesson- 3 Journey to the End of the Earth  Lesson-4 The Enemy</p> <p><b>READING SKILLS</b></p> <p><b>Unseen Passage Types:</b>  Factual Passage  Descriptive Passage  Literary Passage</p> <p><b>Unseen Case Based Factual Passage</b></p> <ul style="list-style-type: none"> <li>• With verbal/visual inputs like statistical data, charts etc.</li> <li>• The combined Word limit for both the passages will be 700-750 Words.</li> </ul> <p><b>CREATIVE WRITING SKILLS</b></p> <p><b>Short Composition</b></p> <ul style="list-style-type: none"> <li>• Notice Writing</li> <li>• Formal/Informal Invitation and replies Word limit 50 words</li> </ul> <p><b>Letter Writing</b>  Based on visual and/or verbal input in 120- 150 words.  Letter types:</p> <ul style="list-style-type: none"> <li>• Application for a job with Bio Data or Resume.</li> <li>• Letter to Editor</li> </ul>

	<p>(Giving suggestions or opinion on issues of public interest)</p> <p><b>Article Writing</b> Based on verbal inputs in 120-150 words (may be descriptive/analytical in nature)</p> <p><b>Report Writing</b> Based on verbal inputs in 120-150 words (may be descriptive/analytical in nature)</p>
<b>Physics</b>	<p>Ch-1 Electric charges &amp; field</p> <p>Ch-2 Electrostatic Potential &amp; Capacitance</p> <p>Ch-3 Current Electricity</p> <p>Ch-4 Moving Charges &amp; Magnetism</p> <p>Ch-5 Magnetism &amp; Matter</p> <p>Ch-6 Electromagnetic Induction(EMI)</p> <p>Ch-7 Alternating Current</p> <p>Ch-8 Electromagnetic Waves</p> <p>Ch-9 Ray Optics &amp; Optical Instruments</p> <p>Ch-10 Wave Optics</p>
<b>Chemistry</b>	<p>Ch-1 Solution</p> <p>Ch-2 Electrochemistry</p> <p>Ch-3 Chemical Kinetics</p> <p>Ch-4 d and f block elements</p> <p>Ch-5 Coordination Compound</p> <p>Ch-10 Biomolecules</p> <p>Ch-6 Haloalkanes and Haloarenes</p>
<b>Mathematics</b>	<p>Ch-1 Relations and Functions</p> <p>Ch-2 Inverse Trigonometric Functions</p> <p>Ch-3 Matrices</p> <p>Ch-4 Determinants</p> <p>Ch-5 Continuity and Differentiability</p> <p>Ch-6 Application of derivatives</p> <p>Ch-7 Integrals</p> <p>Ch-8 Application of Integrals</p>
<b>Biology</b>	<p>Ch-1 Sexual Reproduction in Plants</p> <p>Ch-2 Human Reproduction</p> <p>Ch-3 Reproductive Health</p> <p>Ch-4 Principles of Inheritance &amp; Variation</p> <p>Ch-5 Molecular Bases of Inheritance</p> <p>Ch-6 Evolution</p> <p>Ch-11 Organisms &amp; Population</p> <p>Ch-12 Ecosystem</p> <p>Ch-13 Biodiversity &amp; Conservation</p>
<b>Computer Science</b>	<p>Ch-1 Revision of Python</p>

	<p>Ch-2 Local and Global Scope Ch-3 Handling Files in Python Ch-6 Computer Networks Ch-7 Computer Network: Protocols, Technologies and Web Services Ch-8 Network Security Ch-9 Database Management System Ch-10 Structured Query Language(SQL) Ch-11 SQL- Working with Multiple Tables</p>
<b>Physical Education</b>	<p>Ch-1 Management of Sporting Events Ch-2 Children &amp; Women in Sports Ch-3 Yoga as Preventive Measure for Lifestyle Disease Ch-4 Physical Education and Sports for CSWN (Children with Special Needs- Divyang) Ch-5 Sports and Nutrition Ch-6 Test and Measurement in Sports</p>