

**PALLADIUM SCHOOL, HISAR**  
**SESSION 2023-24**  
**TERM- 1**  
**SYLLABUS**  
**GRADE 11 (SCIENCE)**

<b>SUBJECT</b>	<b>SYLLABUS</b>
<b>ENGLISH</b>	<p><b><u>LITERATURE: HORNBILL</u></b>  Ch-1: The Portrait of a Lady  Ch-2: "We're Not Afraid to Die...if we can be together"  Ch-3: Discovering Tut: the Saga Continues  Poem: A Photograph  Poem: The Laburnum Top  <b><u>SNAPSHOTS</u></b>  Ch- The Summer of the Beautiful White Horse  Ch- The Address  Play- Mother's Day  <b><u>READING:</u></b> Unseen passage, Case-based passage  Note Making and Summarization  <b><u>GRAMMAR:</u></b> Gap Filling (Tenses, Clauses)  Questions on Reordering/ Transformation of Sentences  <b><u>WRITING SKILLS</u></b>  Classified Advertisements, Poster, Speech, Debate</p>
<b>BIOLOGY</b>	<p>Chapter 17- Breathing and Exchange of Gases  Chapter 18- Body fluids and circulation  Chapter 19- Excretory Products and their elimination  Chapter 13- Photosynthesis in higher plants  Chapter 14- Respiration in plants  Chapter 15- Plant growth and development  Chapter 22- Chemical coordination and Integration</p>
<b>Physics</b>	<p>Chapter 1 - Unit and Dimensions  chapter 2 - Motion in a straight line  Chapter 3 vectors  chapter 4 - Motion in two dimensions  chapter 5 - Laws of Motion  chapter 6 - Work, energy and power  chapter 8 - Gravitation</p>
<b>Mathematics</b>	<p>Chapter 1: Sets  Chapter 2: Relations and Functions  Chapter 3: Trigonometric Functions  Chapter4: Complex Numbers and Quadratic Equations  Chapter5: Linear Inequalities  Chapter6: Permutations and Combinations  Chapter7: Binomial Theorem  Chapter8: Sequence and Series</p>
<b>COMPUTER SCIENCE</b>	<p>Ch-1 Getting Started with Python  Ch-2 Python fundamentals  Ch-3 Data Handling</p>

	<b>Ch-4 Conditional and Iterative Statements</b> <b>Ch-5 String manipulation</b> <b>Ch-6 Debugging Programs</b> <b>Ch-7 List Manipulation</b> <b>Ch-8 Tuples</b> <b>Ch-9 Dictionaries</b> <b>Ch-10 Understanding Sorting</b> <b>Ch-12 Computer System Organisation</b>
<b>CHEMISTRY</b>	<b>Ch-1 some basic concepts of chemistry</b> <b>Ch-2 structure of atom</b> <b>Ch-3 Periodic properties</b> <b>Ch-4 Chemical bonding</b> <b>Ch-5 Thermodynamics</b>
<b>MUSIC</b>	<b>Nada , Shruti , Gram , Life Sketch of Vishnu Digambar Paluskar , Ektaal , Swar , Saptak , Thaata , Margi-Deshi Sangeet , Tansen , Teentaal</b>
<b>FINE ART</b>	<b>(A) •Six limbs of Indian painting &amp; fundamentals of visual art ( elements &amp; principles )</b> <b>• Six limbs of Indian painting (shadanges)</b> <b>• Fundamentals of Visual art</b> <b>•History of Indian painting</b> <b>(B) The Rajasthani and Pahari school of miniature painting (16th century a.d to 19th century a.d)</b> <b>• Miniature painting</b> <b>• Rajasthani school of painting</b> <b>• The Pahari school</b> <b>(C)The Mughal and Deccan school of miniature painting (16 Century A.D to 19 Century A.D)</b> <b>• The Mughal school of art</b> <b>•The Deccani school of art</b>