

**HILLMAN PUBLIC SCHOOL AGRA**

**SYLLABUS-2020-21**

**CLASS – XII**

<b>PHYSICS</b>	
<b>PT 1</b>	<b>Chapter 1</b> – Electric Charges and Fields <b>Chapter</b> - Electrostatic Potential and Capacitance <b>Chapter</b> - Current Electricity
<b>PT 2</b>	<b>Chapter</b> – Moving Charges and Magnetism <b>Chapter</b> - Magnetism and Matter <b>Chapter</b> - Electromagnetic Induction <b>Chapter</b> - Alternating Current
<b>PT 3</b>	<b>Chapter</b> – Electromagnetic Waves <b>Chapter</b> - Ray Optics and Optical Instruments <b>Chapter</b> - Wave Optics <b>Chapter</b> - Dual Nature of Radiation and Matter
<b>Annual Exam</b>	<b>Chapter</b> - Atoms <b>Chapter</b> - Nuclei <b>Chapter</b> - Semiconductor Electronics <b>Including all PTs</b>
<b>CHEMISTRY</b>	
<b>PT1</b>	<b>Chapter 1:</b> The Solid State <b>Chapter 2:</b> Solutions <b>Chapter 3:</b> Electrochemistry <b>Chapter 4:</b> Chemical Kinetics <b>Chapter 5:</b> Surface Chemistry
<b>PT2</b>	<b>Chapter 7:</b> The p-Block Elements <b>Chapter 8:</b> The d & f Block Elements <b>Chapter 9:</b> Coordination Compounds
<b>PT3</b>	<b>Chapter 10:</b> Haloalkanes and Haloarenes <b>Chapter 11:</b> Alcohols, Phenols, and Ethers <b>Chapter 12:</b> Aldehydes, Ketones, and Carboxylic Acids
<b>Annual Exam</b>	<b>Chapter 13:</b> Amines <b>Chapter 14:</b> Biomolecules <b>Including all PTs</b>

<b>MATHS</b>	
<b>PT1</b>	<b>Chapter-1</b> Relation & Function <b>Chapter-2</b> Inverse Trigonometric Functions <b>Chapter-3</b> matrix <b>Chapter-4.</b> Determinants <b>Chapter-5.</b> Continuity & Differentiation
<b>PT2</b>	<b>Chapter-1.</b> Application of Derivatives <b>Chapter-2</b> Integrals <b>Chapter-3</b> Application of Integrals <b>Chapter-4.</b> Differential Equations
<b>PT3</b>	<b>Chapter-1</b> Vector Algebra <b>Chapter-2.</b> Three Dimensional Geometry <b>Chapter-3.</b> Linear programming <b>Chapter-4</b> Probability
<b>Annual Exam</b>	PT1 + PT2+PT3 ( FULL SYLLABUS)
<b>BIOLOGY</b>	
<b>PT1</b>	<b>Chapter 2-</b> Sexual Reproduction in Flowering Plants <b>Chapter 3-</b> Human Reproduction <b>Chapter 4-</b> Reproductive Health
<b>PT2</b>	<b>Chapter 5-</b> Principles of Inheritance and Variation, <b>Chapter 6-</b> Molecular Basis of Inheritance <b>Chapter 8-</b> Human Health and Diseases, <b>Chapter 10-</b> Microbes in Human Welfare
<b>PT3</b>	<b>Chapter 11-</b> Biotechnology - Principles and Processes <b>Chapter 12-</b> Biotechnology and its Application <b>Chapter 13 –</b> Organisms and Populations <b>Chapter 15-</b> Biodiversity and its Conservation
<b>Annual Exam</b>	<b>All Chapters</b>
<b>PHYSICAL EDUCATION</b>	
<b>Half Yearly Exam</b>	<b>Unit I</b> Planning in Sports <b>Unit II</b> Sports & Nutrition <b>Unit III</b> Yoga & Lifestyle <b>Unit IV</b> Physical Education & Sports for CWSN <b>Unit V</b> Children & Women in Sports

<b>Annual Exam</b>	<b>Unit VI</b> Test & Measurement in Sports <b>Unit VII</b> Physiology & Injuries in Sports <b>Unit VIII</b> Biomechanics & Sports <b>Unit IX</b> Psychology & Sports <b>Unit X</b> Training in Sports <b>Including Half Yearly Exam</b>
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