



HILLMAN PUBLIC SCHOOL

(CBSE Affiliation No. 2130895)

Grade XI

Syllabus 2020-21

CHEMISTRY

PT-1

- [Chapter 1: Some Basic Concepts of Chemistry](#)
- [Chapter 2: Structure of Atom](#)
- [Chapter 3: Classification of Elements and Periodicity in Properties](#)

PT-2

- [Chapter 4: Chemical Bonding and Molecular Structure](#)
- [Chapter 5: States of Matter](#)
- [Chapter 6: Thermodynamics](#)

PT-3

- [Chapter 7: Equilibrium](#)
- [Chapter 8: Redox Reactions](#)
- [Chapter 9: Hydrogen](#)

ANNUAL EXAMINATION SYLLABUS

PT-1 +PT-2+PT-3

- [Chapter 10: The s-Block Elements](#)
- [Chapter 11: The p-Block Elements](#)
- [Chapter 12: Organic Chemistry – Some Basic Principles & Techniques](#)
- [Chapter 13: Hydrocarbons](#)

PHYSICS

PT-1

Ch1 – Physical World
Ch2- Units & Measurements
Ch3- Motion in a Straight Line
Ch4- Motion in a Plane

PT-2

Ch5 – Laws of Motion
Ch 6- Work , Energy & Power
Ch7- System of Particles & Rotational Motion
Ch8- Gravitation

PT-3

Ch 9 – Mechanical Properties of Solids
Ch 10-Mechanical properties of fluids
Ch 11-Thermal Properties of Matter
Ch12- Thermodynamics

ANNUAL EXAMINATION SYLLABUS

Ch 13- Kinetic Theory
Ch 14- Oscillations
Ch15- Waves
Including all PTs

MATHEMATICS

PT-1

Chapter-1	Sets
Chapter-2	Relation & Function
Chapter-3	Trigonometric Functions
Chapter-4.	Complex Number
Chapter-5.	Linear Inequalities

PT-2

Chapter-1.	Permutation & Combination
Chapter-2	Sequence and Series
Chapter-3	Straight lines
Chapter-4	Limits and Derivatives

PT-3

Chapter-1	Conic section & 3-D Geometry
Chapter-2.	Statistics
Chapter-3.	Probability

ANNUAL EXAMINATIONSYLLABUS

PT1+PT2+PT3 (COMPLETE SYLLABUS)

<p><u>BIOLOGY</u></p>	<p><u>PT-1</u> Chapter 1,2 and 3</p> <p><u>PT-2</u> Chapter 4,5,7,8and 9</p> <p><u>PT-3</u> Chapter 10,14,15,17 and 18</p> <p><u>ANNUAL EXAMINATION SYLLABUS</u> Whole revised syllabus</p>
<p><u>COMPUTER SCIENCE</u></p>	<p><u>PT-1</u> CHAPTERS : 1 and 2 (COMPUTER SYSTEM ORGANISATION , DATA REPRESENTATION and BOOLEAN LOGIC)</p> <p><u>PT-2</u> CHAPTERS : 3, 4 & 5 (1.GETTING STARTED IN PYTHON, 2.PYTHON PROGRAMMING FUNDAMENTALS And 3.CONDITIONAL AND LOOPING CONSTRUCTS)</p> <p><u>PT-3</u> CHAPTERS : 6, 7, 8 & 9 (6.STRING, 7.LISTS, 8.TUPLES, 9.DICTIONARY)</p> <p><u>ANNUAL EXAMINATION SYLLABUS</u> CHAPTER : 10 (CYBER SAFETY) + PT1 + PT2 + PT3 (ALL CHAPTERS 1 TO 10)</p>
<p><u>PHYSICAL EDUCATION</u></p>	<p><u>PT SYLLABUS</u> Unit I – Changing Trends & Career in Physical Education Unit II – Olympic Value Education Unit III – Physical Fitness, Wellness & Lifestyle Unit IV – Physical Education & Sports for CWSN (Children with Special Needs- Divyang) Unit V – Yoga</p> <p><u>ANNUAL SYLLABUS</u></p> <p>PT + Unit VI – Physical Activity & Leadership Training</p> <p>Unit VII – Test, Measurement & Evaluation</p> <p>Unit VIII – Fundamentals of Anatomy, Physiology & Kinesiology in Sports Unit IX – Psychology & Sports Unit X – Training and Doping in Sports</p>

