

**Hillman Public School , Agra**  
**Annual Syllabus**  
**(Session-2023-24)**  
**Class – XI**  
**Subject – Physics (042)**

| Examination        | Chapters   |
|--------------------|--|
| PT 1               | Ch.2. Units & Measurements<br>Ch.3. Motion in a Straight Line  |
| PT2                | Ch.2. Units & Measurements<br>Ch.3. Motion in a Straight Line<br>Ch. 4. Motion in a Plane<br>Ch.5. Laws of Motion<br>Ch.6. Work, Energy, Power<br>Ch.7. System of Particles & Rotational Motion<br>Ch.8. Gravitation |
| PT3                | Ch.9. Mechanical Properties of Solids<br>Ch.10. Mechanical Properties of Fluids<br>Ch. 11. Thermal Properties of Matter  |
| Annual Examination | Complete syllabus including syllabus of PT1,PT2 and PT3  |

**Hillman Public School , Agra**  
**Annual Syllabus**  
**(Session-2023-24)**  
**Class – XI**  
**Subject – CHEMISTRY**

| EXAM               | CHAPTERS   |
|--------------------|--|
| PT 1               | 1 Some basic concepts of chemistry   |
|                    | 2 Structure of atom  |
| PT2                | 1 Some basic concepts of chemistry   |
|                    | 2 Structure of atom  |
|                    | 3 Classification of elements and periodicity in properties   |
|                    | 4 Chemical bonding and molecular structure   |
| PT 3               | 5 Chemical thermodynamics  |
|                    | 6 Equilibrium  |
| Annual Examination | 1 Some basic concepts of chemistry Structure of atom<br>2<br>3 Classification of elements and periodicity in properties<br>4 Chemical bonding and molecular structure<br>5 Chemical thermodynamics |

|                         |   |
|-------------------------|---|
| 6                       | Equilibrium   |
| 7                       | Redox reaction  |
| 8                       | Organic Chemistry: Some basic principles and techniques |
| 9                       | Hydrocarbons  |
| (ALL CHAPTERS – 1 TO 9) |   |

**Hillman Public School , Agra**  
**Annual Syllabus**  
**(Session-2023-24)**  
**Class – XI**  
**Subject –BIOLOGY (044)**

| Examination        | Chapters   |
|--------------------|--|
| PT 1               | Ch.1. THE LIVING WORLD<br>Ch.3. PLANT KINGDOM  |
| PT2                | Ch.1. THE LIVING WORLD<br>Ch.3. PLANT KINGDOM<br>Ch.2. BIOLOGICAL CLASSIFICATION<br>Ch. 4. ANIMAL KINGDOM<br>Ch.5. MORPHOLOGY OF FLOWERING PLANTS<br>Ch.6. ANATOMY OF FLOWERING PLANTS<br>Ch.7. STRUCTURAL ORGANISATION IN ANIMALS |
| PT3                | Ch.9. CELL: THE UNIT OF LIFE<br>Ch.10. BIOMOLECULES<br>Ch. 11. CELL CYCLE AND CELL DIVISION  |
| Annual Examination | Complete syllabus including syllabus of PT1,PT2 and PT3  |

**Hillman Public School , Agra**  
**Annual Syllabus**  
**(Session-2023-24)**  
**Class – XI**

**COMPUTER SCIENCE**

|                            |   |
|----------------------------|---|
| PT 1                       | CHAPTERS : 1 and 2 ( COMPUTER SYSTEM ORGANISATION , DATA REPRESENTATION and BOOLEAN LOGIC )                                     |
| PT 2                       | CHAPTERS : 3, 4 & 5 ( 1.GETTING STARTED IN PYTHON, 2.PYTHON PROGRAMMING FUNDAMENTALS And 3.CONDITIONAL AND LOOPING CONSTRUCTS ) |
| PT 3                       | CHAPTERS : 6, 7, 8 & 9 ( 6.STRING, 7.LISTS, 8.TUPLES, 9.DICTIONARY, PYTHON MODULE)  |
| SESSION ENDING EXAMINATION | CHAPTER : 10 ( CYBER SAFETY ) + PT1 + PT2 + PT3 ( ALL CHAPTERS 1 TO 10)   |

**English Syllabus ,  
Class- 11<sup>th</sup>  
SESSION – 2023– 2024  
English Literature and Language :- CLASS XI**

| <b>EXAM</b>        | <b>CHAPTERS</b>  |
|--------------------|--|
| PT 1               | Lesson 1: The Portrait of a Lady<br>Lesson 1: A Photograph (Poem)<br>Lesson 1: The Summer of the Beautiful White Horse   |
| PT 2               | Lesson 1: The Portrait of a Lady<br>Lesson 2: We're Not Afraid to Die...if We Can All Be Together<br>Lesson 3: Discovering Tut: the Saga Continues<br>Lesson 4: Landscape of the Soul<br>Lesson 1: A Photograph (Poem)<br>Lesson 3: Laburnum Top (poem)<br>Lesson 4: The Voice of the Rain (POEM)<br>Lesson 1: The Summer of the Beautiful White Horse<br>Lesson 2: The Address<br>Lesson 3: Ranga's Marriage<br>Lesson 4: Albert Einstein at School<br>Literary-prose/poetry extracts (seen- texts) comprehension and appreciation. (Two Extracts)<br>Questions based on texts to assess comprehension and appreciation, analysis, inference, extrapolation<br>Unseen passages, Short Writing Tasks<br>Notice Writing Official or Business Letters (Making enquiries, registering complaints, asking for or giving information, placing orders, and sending replies) Speech<br>Grammar, Determiners, Tenses, Re-ordering of Sentences<br>(MCQs on Gap filling/ Transformation of Sentences) |
| PT 2               | Lesson 5: The Ailing Planet: the Green Movement's Role<br>Childhood poem<br>Lesson 5: Mother's Day   |
| Annual Examination | Lesson 5: The Ailing Planet: the Green Movement's Role<br>Lesson 6: The Browning Version<br>Lesson 7: The Adventure<br>Lesson 8: Silk Road<br>Lesson 4: The Voice of the Rain<br>Lesson 6: Childhood<br>Lesson 8: Father to Son<br>Lesson 4: Albert Einstein at School<br>Lesson 5: Mother's Day<br>Lesson 6: The Ghat of the Only World<br>Lesson 7: Birth<br>Lesson 8: The Tale of Melon City<br>Questions based on extracts/texts to assess comprehension and appreciation, assessment, inference, and extrapolation<br>Formal Letters: e.g., to school/college officials (concerning admissions, school problems, course requirements/suitability) Debate Poster making paragraph long etc<br>Grammar, Determiners, Tenses, Re-ordering of Sentences   |

**HILLMAN PUBLIC SCHOOL, AGRA**  
**Physical Education Syllabus , 11<sup>th</sup>**  
**SESSION – 2023 – 2024**  
**Physical Education:- CLASS XI**

| EXAM               | CHAPTERS   |
|--------------------|--|
| PT 1               | CHAPTER :(4-Physical education and sports for CWSN)  |
| PT 2               | CHAPTERS : (1-Changing trends and career in Physical education<br>(5-Physical fitness health and wellness) (4-Physical education and sports for CWSN) (6- Test , measurement and evaluation)<br>(9- Psychology and sports) |
| PT 3               | (3-Yoga)   |
| Annual Examination | (2-Olympism) (7-Fundamentals of anatomy, physiology in sports)<br>(8-Training and doping in sports) (8- Fundamentals of kinesiology and biomechanics in sports)  |

**HILLMAN PUBLIC SCHOOL, AGRA**  
**Mathematics Syllabus**  
**SESSION – 2023 – 2024**  
**Class:- CLASS XI**

|               |   |
|---------------|---|
| <b>PT1</b>    | CHAPTERS : 3 ( trigonometry functions)  |
| <b>PT 2</b>   | CHAPTERS : 1,2 , 5, 6, 7 & 8 ( set ,relation function,Complex Number, Linear Inequalities, Permutations and Combination, Binominal theorem) |
| <b>PT 3</b>   | CHAPTERS : 9, 10 (Sequence and Series, Straight line)   |
| <b>Annual</b> | CHAPTER : 11,12,13,14,15,16 (Conic Sections, Introduction to three dimensional, Limit and derivatives, Statistics, Probability )            |

