

# Hillman Public School , Agra

## Annual Syllabus (Session-2022-23)

### Class – XII Subject – Physics

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#### Periodic Test – 1

- Ch. 1. Electric Charges & Fields
- Ch.2. Electrostatic Potential
- Ch.3. Current Electricity

#### Half Yearly Examination

- Ch. 1. Electric Charges & Fields
- Ch.2. Electrostatic Potential
- Ch.3. Current Electricity
- Ch.4. Moving Charges and Magnetism
- Ch.5. Magnetism & Matter.
- Ch.6. Electromagnetic Induction.
- Ch.7. Alternating Current .

<u>Pre-Board 1</u>	<u>Pre-Board 2</u>
Ch. 1. Electric Charges & Fields Ch.2. Electrostatic Potential Ch.3. Current Electricity Ch.4. Moving Charges and Magnetism Ch.5. Magnetism & Matter. Ch.6. Electromagnetic Induction. Ch.7. Alternating Current . Ch.8. Electromagnetic waves. Ch.9. Ray Optics. Ch.10. Wave Optics. Ch.11. Dual Nature of Radiation Ch.12. Atoms. Ch.13. Nuclei. Ch.14. Semiconductor Electronics	Ch. 1. Electric Charges & Fields Ch.2. Electrostatic Potential Ch.3. Current Electricity Ch.4. Moving Charges and Magnetism Ch.5. Magnetism & Matter. Ch.6. Electromagnetic Induction. Ch.7. Alternating Current . Ch.8. Electromagnetic waves. Ch.9. Ray Optics. Ch.10. Wave Optics. Ch.11. Dual Nature of Radiation Ch.12. Atoms. Ch.13. Nuclei. Ch.14. Semiconductor Electronics

HILLMAN PUBLIC SCHOOL, AGRA  
SCIENCE (CHEMISTRY) SYLLABUS FOR class 12<sup>th</sup>  
SESSION – 2022 – 2023

<b>EXAM</b>	<b>CHAPTERS</b>
PT 1	<ul style="list-style-type: none"> <li>• Solutions</li> <li>• Electrochemistry</li> </ul>
PT 2	<ul style="list-style-type: none"> <li>• Solutions</li> <li>• Electrochemistry</li> <li>• Chemical kinetics</li> <li>• D and f block elements</li> </ul>
Half-yearly	<ul style="list-style-type: none"> <li>• Solutions</li> <li>• Electrochemistry</li> <li>• Chemical kinetics</li> <li>• D and f block elements</li> <li>• Coordination compounds</li> <li>• Haloalkanes and Haloarenes</li> </ul>
Pre board 1	<ul style="list-style-type: none"> <li>• Solutions</li> <li>• Electrochemistry</li> <li>• Chemical kinetics</li> <li>• D and f block elements</li> <li>• Coordination compounds</li> <li>• Haloalkanes and Haloarenes</li> <li>• Alcohols, Phenols and Ethers</li> <li>• Aldehydes, ketones and carboxylic acids</li> <li>• Amines</li> <li>• Biomolecules</li> </ul>
Pre board 2	<ul style="list-style-type: none"> <li>• ALL CHAPTERS – 1 TO 10</li> </ul>

### **CLASS XII (Maths)**

<b>EXAM</b>	<b>CHAPTERS</b>
PT 1	CHAPTERS : 2, 3,4 ( Inverse trigonometric functions, Matrices, determinants)
Half Yearly	CHAPTERS : 1, 5,6 &7 (Relation and functions, Continuity and differentiability, Application of derivatives, Integrals )
PT 2	CHAPTERS : 9, 10(Differential equation, Vector- Algebra)
Annual	Chapter : 8,11,12,13(Application of Integrals, Three dimensional Geometry, Probability) PT-1 + PT-2 and half yearly all chapters

**HILLMAN PUBLIC SCHOOL**  
**English SYLLABUS FOR CLASS -12th**  
**SESSION-2022-2023**

EXAMS	CHAPTERS
PT 1	Flamingo-Ch. 1 , ch.2 Poetry- 2 ( my mother at sixty, keeping quiet) Vistas –ch.1, ch.2 Grammar – Notice, formal Letters
PT2	Flamingo- ch-3, ch-4 ch-5 ( Deep water , The rattrap, Indigo) Poetry- 2 ,3 (a thing of beauty ,roadside stand) Vistas- Ch.- 3,ch.-4, ch-6 (Journey to the end of earth, The enemy, On the face of it.) Grammar- Notice, Reading comprehension, formal and informal invitation and their reply
PT 3	Flamingo-ch-6, ch-7,ch-8(Poets and Pancakes, The interview, Going places) Poetry - 2, 4 ( Roadside stand, aunt Jennifer’s Tiger) Vistas- Memories of childhood Grammar- Articles\Report Writing, Letter, Notice, Job application ,Speech, Debate,
Pre- board 1 Pre-board 2	Full syllabus. Full syllabus.

**SCIENCE: CLASS XII (Biology)**

EXAM	CHAPTERS
PT 1	<ul style="list-style-type: none"> <li>● Sexual Reproduction</li> <li>● Human Reproduction</li> <li>● Reproductive Health</li> </ul>
PT 2	<ul style="list-style-type: none"> <li>● Principles of inheritance and variation</li> <li>● Evolution</li> <li>● Human health and diseases</li> <li>● Microbes in human welfare</li> <li>● Organisms and Populations</li> <li>● Ecosystem</li> <li>● Biodiversity and its Conservation</li> </ul> <p>Included (PT-1)</p>
Half-yearly	<ul style="list-style-type: none"> <li>● Molecular Basis of Inheritance</li> <li>● Biotechnology-Principles and Processes</li> <li>● Biotechnology and its Applications</li> <li>● PT-1 and PT-2</li> </ul>

Pre board 1	<ul style="list-style-type: none"> <li>• Solutions</li> <li>• All Chapters</li> </ul>
Pre board 2	<ul style="list-style-type: none"> <li>• ALL CHAPTERS and Solutions</li> </ul>

### Physical Education:- CLASS XII (048)

EXAM	CHAPTERS
PT 1	CHAPTERS : 4 - Physical education and sports for CWSN
Half yearly	CHAPTERS : (2-Children and women in sports) ,( 4-Physical education and sports for CWSN), (5-Sports and nutrition) , (9- Psychology and sports) ,( 10-Training in sports)
PT 2	CHAPTERS : (1-Measuremerent of sporting events) , (6-Test and measurement in sports) ,(7-Physiology and injuries in sports) (3-Yoga)
Annual Examination	( ALL CHAPTERS 1 TO 10)