

# Hillman Public School, Agra

## Annual Syllabus (Session-2025-26)

### Class–XII (Science)

<b>SUBJECT- PHYSICS (042)</b>	
<b>Class Test</b>	Ch1. Electric Charges & Fields
<b>PT 1</b>	Ch1. Electric Charges & Fields Ch.2.Electrostatic Potential & Capacitance Ch.3.Current Electricity
<b>Half Yearly Exam</b>	Ch1.Electric Charges & Fields Ch2. Electrostatic Potential & Capacitance Ch 3. Current Electricity Ch4. Moving Charges and Magnetism Ch5. Magnetism & Matter Ch6. Electromagnetic Induction Ch7. Alternating Current
<b>Pre – Board 1</b>	<b>From Chapter 1 to Chapter 7 including</b> Ch8.Electromagnetic Waves Ch9. Ray Optics Ch10. Wave Optics Ch 11. Dual Nature of Radiation and Matter Ch12. Atoms Ch 13. Nuclei Ch 14. Semiconductor Electronics
<b>Pre - Board 2</b>	Whole Syllabus (From Chapter 1 to Chapter 14)

<b>SUBJECT- CHEMISTRY (043)</b>	
<b>Class Test</b>	Ch1. Solutions
<b>Periodic Test 1</b>	Ch1. Solutions Ch6. Haloalkanes and Haloarenes
<b>Half Yearly Examination</b>	Ch1. Solutions Ch2.Electrochemistry Ch3.Chemical Kinetics Ch4.d and f block elements Ch5. Co-ordination Compounds Ch6. Haloalkanes and Haloarenes
<b>Pre – Board 1</b>	Ch1. Solutions Ch2.Electrochemistry Ch3.Chemical Kinetics Ch4.d and f block elements Ch5. Co-ordination Compounds Ch6. Haloalkanes and Haloarenes Ch7. Alcohol, Phenol, & Ether Ch8. Aldehyde, Ketone & Carboxylic Acid Ch9. Amines Ch10. Biomolecules
<b>Pre - Board 2</b>	All Syllabus

<b>SUBJECT- PHYSICAL EDUCATION (048)</b>	
<b>Class Test</b>	Ch. 1- Management of sporting events
<b>Periodic Test 1</b>	Ch.2-Children and women in sports
<b>Half yearly Examination</b>	Ch1.Management of sporting events Ch2-Children and women in sports Ch3.Yoga as preventive measures for lifestyle diseases Ch4.Physical education and sports for CWSN) Ch5.- Sports and nutrition
<b>Pre board. 1</b>	(ALL CHAPTERS 1 TO 10) Ch1.Management of sporting events Ch2-Children and women in sports Ch3.Yoga as preventive measures for lifestyle diseases Ch4.Physical education and sports for CWSN) Ch5.- Sports and nutrition Ch6. Test and Measurement in sports Ch7. Physiology and injuries in sports Ch8. Biomechanics and Sports Ch9. Psychology and sports Ch10. Training in sports
<b>Pre board 2</b>	(ALL CHAPTERS 1 TO 10)

<b>SUBJECT- FINE ARTS (PAINTING) (049)</b>	
<b>Class Test</b>	Unit 1- (b) Pahari miniature paintings
<b>Periodic Test1</b>	Unit 1- (a) Rajasthani Miniature painting
<b>Half Yearly Examination</b>	Unit 1- (a) Rajasthani Miniature painting Unit 1- (b) Pahari miniature paintings Unit 2- (a) The Mughal schools of Miniature Painting Unit 2- (b) Deccan schools of Miniature Painting
<b>Pre-board 1</b>	All Syllabus
<b>Pre-board2</b>	All Syllabus

## SUBJECT- ENGLISH (301)

<b>Book Name</b>	<b>1-Flamingo (Prose)+(Poetry)</b> <b>2-Vistas</b>
<b>Class Test</b>	Grammar-Formal/Informal letters Notice-Writing
<b>Periodic Test1</b>	<b>Flamingo:</b> ch-1-The last lesson <b>Vistas:</b> ch-1 The third level <b>Poetry:</b> My mother at sixty six
<b>Half Yearly Examination</b>	<b>(Class test +PT1) including</b>  <b>Flamingo:</b> Ch-2 Lost Spring Ch-3 Deep Water ch-4 The Rattrap  <b>Vistas:</b> Ch-2 The Tiger King Ch-3 Journey to the end of the earth Ch-4 The Enemy  <b>Poetry:</b> Keeping quiet, A thing of beauty  <b>Grammar:</b> Formal/Informal Invitation and Reply Article, Report Writing, Unseen Passages.
<b>Pre-board 1</b>	<b>(Class test +PT1 + Half Yearly Examination) including</b> <b>Flamingo:</b> Ch-5 Indigo, Ch-6 Poets and Pancakes, Ch-7 The interview, Ch-8 Going Places <b>Vistas:</b> Ch-5 On the face of it Ch-6 Memories of Childhood <b>Poetry:</b> A road side stand, Aunt Jennifer's Tiger <b>Grammar:</b> Unseen passages/case based factual.
<b>Pre-board 2</b>	<b>Whole Syllabus</b>

<b>SUBJECT- MATHEMATICS (041)</b>	
<b>Class Test</b>	Ch: 1 Relation and Functions Ch: 3 Matrices
<b>PT1</b>	Ch: 1 Relation and Functions Ch: 2 Inverse trigonometric functions Ch: 3 Matrices
<b>Half yearly Exam</b>	Ch: 1 Relation and Functions Ch: 2 Inverse trigonometric functions Ch: 3 Matrices Ch: 4 Determinants Ch: 5 Continuity and differentiability Ch: 6 Application of derivatives Ch: 7 Integrals Ch: 8 Application of Integrals Ch: 9 Differential Equations
<b>Pre board. 1</b>	Ch1- Relation and Functions Ch 2- Inverse trigonometric functions Ch 3- Matrices Ch 4- Determinants Ch 5- Continuity and differentiability Ch 6- Application of derivatives Ch 7- Integrals Ch 8- Application of Integrals Ch 9- Differential Equations Ch10- Vector Algebra Ch11- 3D Geometry Ch 12- Linear Programming Ch13 - Probability
<b>Pre board 2</b>	Chapter :- 1 To 13 (ALL CHAPTERS)

<b>SUBJECT- BIOLOGY (044)</b>	
<b>Class Test 1</b>	Ch1. Sexual Reproduction in flowering plants Ch2. Human Reproduction
<b>Periodic Test 1</b>	Ch1. Sexual Reproduction in flowering plants Ch2. Human Reproduction Ch3. Human Reproduction
<b>Half Yearly Exam</b>	Ch1. Sexual Reproduction in flowering plants Ch2. Human Reproduction Ch3. Human Reproduction Ch4. Principles of inheritance and variation Ch5. Molecular basis of inheritance Ch6. Evolution Ch7. Human health and diseases
<b>Pre – Board 1</b>	Ch1. Sexual Reproduction in flowering plants Ch2. Human Reproduction Ch3. Human Reproduction Ch4. Principles of inheritance and variation Ch5. Molecular basis of inheritance

	Ch6. Evolution Ch7. Human health and diseases Ch8. Microbes in human welfare Ch9. Biotechnology-Principles and processes Ch10. Biotechnology and its applications Ch11. Organisms and population Ch12. Ecosystem Ch13. Biodiversity and its conservation
<b>Pre - Board 2</b>	All Syllabus (From Chapter 1 to chapter 13)

<b>SUBJECT- COMPUTER SCIENCE (083)</b>	
<b>Class Test</b>	Ch1. Revision of Python Topics Ch2. Functions
<b>PT 1</b>	Ch1. Revision of Python Topics Ch2. Functions Ch3.Exception Handling Ch4.Data File Handling
<b>Half Yearly Exam</b>	Ch1. Revision of Python Topics Ch2. Functions Ch3.Exception Handling Ch4.Data File Handling Ch5. Data Structure Ch6. Evolution of Networking Ch7. Data Communication Terminologies Ch8. Transmission Media Ch9. Network Devices Ch10. Network Topologies Ch11. Introduction to web services
<b>Pre – Board 1</b>	Ch1. Revision of Python Topics Ch2. Functions Ch3.Exception Handling Ch4.Data File Handling Ch5. Data Structure Ch6. Evolution of Networking Ch7. Data Communication Terminologies Ch8. Transmission Media Ch9. Network Devices Ch10. Network Topologies Ch11. Introduction to web services Ch12. Database Concepts Ch13. Structured Query Language Ch14. Interface of Python with an SQL database
<b>Pre - Board 2</b>	Whole Syllabus (From Chapter 1 to Chapter 14)