

SILVER POINT SCHOOL

**31/1, N. C. Chowdhury Road
Kolkata - 700 042**



**Syllabus for
CLASS - XII (SCIENCE)**

2026 - 27

SILVER POINT SCHOOL
31/1, N. C. Chowdhury Road, Kolkata - 42

SYLLABUS - 2026-27

Class - XII - SCIENCE

ENGLISH CORE

MIDTERM

Literature

1. The Last Lesson
2. Lost Spring
3. Deep Water
4. The Rattrap
5. Indigo
6. My Mother at Sixty Six (Poem)
7. Keeping Quiet (Poem)
8. A Thing Of Beauty(Poem)
9. The Third Level
10. The Tiger King
11. Journey To The End Of The Earth
12. The Enemy
13. Aunt Jennifer's Tigers (poem)

Writing Skills

Letter of accepting/declining invitation, Report Writing, Notice Writing, Application with bio data, Article Writing, Formal invitation, analytical paragraph writing, Editorial letter, comprehension

POST MID TERM

Literature

1. The Interview
2. Poets and Pancakes
3. Going Places
4. A Roadside Stand (Poem)
5. On The Face Of It
6. Memories of childhood
- * We Too Are Humans
- * The cutting of My Long Hair

Writing Skills - as done in the MID Term

Syllabus is subject to change as per the declaration by the CBSE Board

MATHEMATICS

MID TERM

Unit I : Relations and Functions

Relations and Functions : Types of relations, one-to-one and onto functions.

Inverse Trigonometric Functions : Definition, domain, range, graphs, and properties

Unit II : Algebra

Matrices : Concept, order, types, operations (addition, multiplication), transpose, symmetric and skew - symmetric matrices, inverse of a matrix.

Determinants : Definition, properties, minors, cofactors, adjoint, and inverse of a matrix.

Unit III : Calculus

Continuity and Differentiability : Continuity, differentiability, chain rule, derivatives of inverse trigonometric functions, logarithmic differentiation, second-order derivatives.

Application of Derivatives : Rate of change, increasing / decreasing functions, tangents and normals, maxima and minima.

Integrals : Integration as the inverse of differentiation, integration by substitution, partial fractions. and parts

POST MID TERM

Unit III (cont) : Application of Integrals : Area under simple curves.

Differential Equations : Formation and solution of differential equations.

Unit IV : Vectors and 3D Geometry

Vectors Types, addition, scalar and vector products of vectors.

Three - Dimensional Geometry : Direction cosines, direction ratios, lines, and planes.

Unit V : Linear Programming

Introduction to linear programming, graphical method of solution.

Unit VI : Probability

Probability : Conditional probability, Bayes, theorem, random variables, probability distributions.

** Including Mid term

BIOLOGY

MIDTERM:

Unit VI

Chapter 1 : Sexual reproduction in flowering plants

Chapter 2 : Human Reproduction

Chapter 3 : Reproductive health

Unit VII

Chapter 4 : Principles of inheritance and Variation

Chapter 5 : Molecular basis of inheritance

Chapter 6 : Evolution

Chapter 7 : Human Health and Diseases

Chapter 8 : Microbes in human welfare

POST MID TERM :

Unit IX Biotechnology and its application

Chapter 9 : Biotechnology - Principles and processes

Chapter 10 : Biotechnology and its application

Chapter 11 : Organism and population

Chapter 12 : Ecosystem

Chapter 13 : Biodiversity and its conservation

PHYSICS

MID TERM

1. Chapter 1 : Electric Charges and Fields
2. Chapter 2 : Electrostatic Potential and Capacitance
3. Chapter 3 : Current Electricity
4. Chapter 4 : Moving Charges and Magnetism
5. Chapter 5 : Magnetism and Matter
6. Chapter 6 : Electromagnetic Induction
7. Chapter 7 : Alternating Current
8. Chapter 8 : Electromagnetic Waves

POST MID TERM

9. Chapter 9 : Ray Optics and Optical Instruments
10. Chapter 10 : Wave Optics
11. Chapter 11 : Dual Nature of Matter and Radiation
12. Chapter 12 : Atoms
13. Chapter 13 : Nuclei
14. Chapter 14 : Semiconductor Electronics

CHEMISTRY

MID TERM

1. Solution
2. Haloalkanes and Haloarenes
3. Alcohol Phenol and Ethers
4. Electrochemistry
5. Chemical Kinetics

6. Aldehyde and Ketones

POST MID TERM

7. Carboxylic acids

8. Amines

9. D and f block elements

10. Co-ordination compounds

11. Biomolecules

PAINTING THEORY

MIDTERM

1. The Rajasthani and Pahari school of Miniature painting
2. The Mughals and the Deccan school of Miniature painting
3. Indian National Flag

POST MID TERM

4. The Bengal School of painting
5. Graphic Paints, Sculpture, the Modern Trends in Indian Art.

PAINTING (PRACTICAL)

MID-TERM

1. Object study
2. Nature Study
3. Portfolio Submission

POST MID-TERM

4. Composition Painting
5. Portfolio Submission

ECONOMICS

MID TERM:

Part A: Macroeconomics

1. National income and related aggregate
2. Money and banking NCERT: Ch: 2,3.

Part B: Indian Economics

1. Development experience and economic reform
2. Current challenges facing Indian economy NCERT: Ch: 1,2, 3,4,5,6,7

POST MID TERM

Macro economics:

1. Whole syllabus of AISSCE, NCERT Book
2. Indian Economic Development : Whole syllabus of AISSCE, NCERT Book (include all chapters from Midterm)

PSYCHOLOGY

MIDTERM

1. Variations in Psychological Attributes
2. Self and Personality
3. Meeting Life Challenges
4. Psychological Disorders

POST MIDTERM

1. Variations in Psychological Attributes
2. Self and Personality
3. Meeting Life Challenges
4. Psychological Disorders
5. Therapeutic Approaches
6. Attitude and Social Cognition
7. Social Influence and Group Processes

BENGALI

MID TERM

সাহিত্য :

গদ্য

১। কে বাঁচায় কে বাঁচে ২। ভারতবর্ষ

পদ্য

১। রূপনারানের কূলে ২। আমি দেখি

নাটক : নানা রঙের দিন

ভাষা :

১। ধ্বনিতত্ত্ব : অপিনিহিতি, অভিশ্রুতি, স্বরসঙ্গতি, স্বরভক্তি

সহায়ক :

আমার বাংলা : গারো পাহাড়ের নিচে, ছাতির বদলে হাতি

নির্মিতি : প্রতিবেদন (৩টি বাক্যে), বোধ পরীক্ষণ, বাগধারা (৫০টি)

POST MID TERM

সাহিত্য

গদ্য : ভাত

পদ্য : ১. ক্রন্দনরতা জননীৰ পাশে ২. পড়তে জানে এমন এক
মজুরের প্রশ্ন

সহায়ক :

১. মেঘের গায়ে জেলখানা ২. পাতাল পুরীর রাজ্যে

ভাষা : শব্দার্থ তত্ত্ব - অর্থের উৎকর্ষ, অর্থের অপকর্ষ, অর্থের সংকোচন,
অর্থের প্রসারণ

নিয়মিত :

১. বোধ পরীক্ষণ ২. বিজ্ঞাপন

HINDI

MID TERM

अरोह :

1. आत्म परिचय
2. पतंग
3. कैमरे ने बंद अपाहिज
4. काले मेघा पानी दें।
5. कविता के बहनि
6. बात सीधी थी पर
7. दिन जल्दी-जल्दी ढलता है

भक्तिन

बाज़ार दर्शन

पहलवान की ढोलक

वितान : सिल्वर बैडिंग

अतीत में हवे पाँव

अभिव्यक्ति और माध्यम

रचनात्मक लेखन

रेडियो नाटक

कैसे लिखी कहानी

पत्रकारिता

जनसंचार माध्यम

व्याकरण :

1. अपठित गद्यांश
2. अपठित पद्यांश
3. निबंध लेखन

POST MID TERM

आरोह :

1. आत्म परिचय
2. एक गीत
3. भक्तिन
4. शिरीष के पेड़
5. पहलवान की ढोलक

6. छोटा मेरा खेत

7. बगुले की पंख

वितान : जूझ

डायरी के पन्ने (ऐन फ्रैंक)

सिल्वर वेडिंग

अभिव्यक्ति और माध्यम :

कैसे लिखे कहानी

कैसे बनता है रेडियो-नाटक

कैसे करे कहानी का नाट्य-रूपांतरण

व्याकरण :

1. अपठित गद्यांश
2. अपठित पद्यांश
3. निबंध लेखन

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