

SYLLABUS 2025-26
Cls 12 – SCIENCE STREAM

ENGLISH I (Eng. Lang.)

UNIT TEST 1: Proposal Writing, Grammar

HALF YEARLY: Total English: Units 1 to 8, Composition, Report writing, Proposal Writing, Grammar, Comprehension

FINAL EXAMS: Total English: Units 9 to 15, Composition, Report Writing, Proposal Writing, Grammar, Comprehension

ENGLISH II (Eng. Lit.)

UNIT TEST 1: Prism – Atithi/ Guest, Rhapsody- Telephone Conversation

HALF YEARLY: Macbeth: Act III, Prism: 1. Atithi/ Guest 2. The Cookie Lady
3. There Will Come Soft Rains, Rhapsody: 1. Telephone Conversation

2. Tithonus

FINAL EXAMS: Macbeth: Acts IV, V, Prism : 1. Indigo 2. The Medicine Bag,

Rhapsody: 1. Beethoven 2. Small Towns and the River 3. Death Be Not Proud, Note:
The entire syllabus will be included in the Preliminary examinations.

PHYSICS

1st UNIT TEST : Electrostatics, Electric charges and fields, Gauss' theorem, Electric potential, Capacitors and dielectrics

Half Yearly: Electrostatics- Current electricity, Magnetic effects of current and magnetism, Electromagnetic induction and alternating currents, Electromagnetic waves.

FINAL TERM : Entire I st term syllabus, Optics, Dual nature of radiation and matter, Atoms and nuclei, Semiconductor devices.

CHEMISTRY

UNIT 1:

- Haloalkanes & Halorenes
- Coordination Compounds

HALF YEARLY :

- Solutions,
- Electrochemistry,
- Coordination Compounds,
- Haloalkanes & Haloarenes,
- Alcohols, Phenols and Ethers,
- Biomolecules,
- Practical Chemistry

PRELIMS :

- Chemical Kinetics,
- The d and f block Elements,
- Aldehydes, Ketones and Carboxylic Acids,
- Organic Compounds containing Nitrogen,
- Practical Chemistry,

BIOLOGY

UNIT Test-1: Reproduction in Organisms, Sexual reproduction in flowering plants
Human Reproduction, Reproductive Health

HALF YEARLY: Reproduction in Organisms, Sexual reproduction in flowering plants
Human Reproduction, Reproductive Health, Principles of Inheritance and Variation
Molecular Basis of Inheritance, Origin of life, Evidences and Theories of Biological
Evolution, Human Health and Diseases, Strategies for Enhancement in Food
Production, Microbes in Human Welfare, Bio-Practicals

PRELIMS: Principles and Processes of Biotechnology, Biotechnology and its
applications, Organisms and Populations, Ecosystem, Biodiversity and its conservation
Environmental issues, Entire Half Yearly Syllabus. Bio-Practicals

Mathematics

Unit Test I: Matrices, Determinants, Inverse Trigonometric function.

Half Yearly: Matrices, Determinants, Inverse Trigonometric function, Continuity and
Differentiability, Indeterminate forms of Limits, Application of derivatives, Integrals
(Only indefinite). SECTION – B: Vectors, SECTION – C : Linear Regression

Prelims : Integrals (definite), Differential Equations , Relations and Functions,
Probability, Section –B : Vectors, Three Dimensional Geometry, Application of
Integrals. Section-C: Application of Calculus in Commerce and economics, Linear
regression, Linear Programming, Entire Half Yearly Syllabus.

Computer Science

Unit Test-1 : Boolean Algebra, Inheritance, String Tokenizer, Recursive
Functions.

Half Yearly: *Entire Class 11th Computer Syllabus*, Boolean Algebra, Propositional
Logic, Well-Formed Formulae, Truth Table, Equivalence Laws, Computer Hardware (
Logic Gates, Universal Gates, Circuits, Half Adder, Full Adder, Encoder, Decoder,
Multiplexer, De-Multiplexer), Boolean expressions to sum of products and product of
sums forms, Karnaugh Maps (up to four variables), SOP and POS representation,
Maxterms & Minterms, Canonical and Cardinal representation, reduction using
Karnaugh maps and Boolean algebra.

Java Access Specifiers, Visibility Modifiers, Scope & Visibility Rules, Inheritance,
Interfaces and Polymorphism, super keyword, Array (1D & Multi-Dimension),
Searching, Sorting Technique (Bubble, Selection, Insertion), Array Address Calculation,
String, StringBuffer, Recursion, Conversion of Infix to Prefix and Postfix notations.

Prelims : *Entire Half Yearly syllabus*, Recursive Data Structure (Trees, BST), Data
Structure, Stack, Queue, Circular queue, Dequeue , Singly Linked List (Conceptual,
Algorithm and programming), Binary Trees, Tree Traversals (Conceptual). Exception
Handling, Implementation of Algorithms, Computational Complexity, Big-O Notation,
concept of input size, estimating complexity in terms of methods, dominant term,
constants, best, average and worst case, Entire ISC Computer Science Syllabus.

PHYSICAL EDUCATION

1st Unit Test
Section 'A'

- 1- Competitions and tournaments
- 2- Career aspect in physical education

Section 'B'

3. Badminton

Half Yearly Exam

Section 'A'

- 1- Sociological aspect of physical education
- 2- Training methods
- 3- Competitions and tournaments
- 4- Career aspect in physical education
- 5- Health education and health problems
- 6- Sports injuries and first aid

Section :B

- 1- Volleyball
- 2- Badminton
- 3- Football

Final Exam Entire syllabus of ISC 2025-26

Fashion Designing

Unit Test-1:

1. Introduction to textile
2. Textile fibres

Half yearly-

1. Introduction to textile
2. Textile fibres
3. Yarns
4. Fabric construction techniques
5. Textiles in India

Practical-

1. Fibre identification
2. Basic weaves
3. Fabric swatches
4. Macrame
5. Tie and dye

Unit test 2- History of fashion in Europe: 1901-1950, History of fashion in Europe: 1961-till date.

Finals- History of fashion in Europe: 1901-1950, History of fashion in Europe: 1961-till date, Traditional costumes of women in India, Traditional costumes of men in India, Introduction to textile, textile fibres, fabric construction techniques, Textile in India

Practical-

1. Texture printing
2. Board making
3. Laundering and finishing of textile fabrics
4. Renovation and repair work

ARTS

FIRST UNIT

Still Life: 1. Table clock, open book and pen stand
 2. Chips packet ,Bowl and mug
 3. Samosa, tomato ketchup and tissue paper.

Nature: Carnation, Flux, Panzy, Sweet pea, Nasturtium, Poppy.

HALF YEARLY

Still Life: 1. Kettle and Cup plate
2. Tiffin Box, Flower Pot and Water bottle
3. Cane basket with vegetables.

Nature: Aster, Earthen Pot with Money Plant, Yellow Oleander, Pink Oleander.

FINAL TERM

Still Life: Transparent Bowl with Fruits, Flask and Ladies Purse, bucket mug and brush.

Nature: Papaya, Ginger, Dahlia, Bougainvillea, Petunia, Zinnia.

VALUE EDUCATION

HALF YEARLY

1. Modern Lifestyle
2. Modern Day Slavery
3. Respecting Diversity
4. Ragging- A Torture
5. Alcoholism
6. Choosing a Career
7. Generation Gap

FINAL

1. Eve- Teasing
2. Drug Addiction- A Menace
3. AIDS- A Dreadful Disease
4. Digital India
5. Gems of India
6. Global Icons

HINDI

UNIT Test-1:

गद्य- आउट साइडर

काव्य मंजरी- तुलसीदास के पद

व्याकरण – महावरे, वाक्यों को शुद्ध करना

HALF YEARLY EXAM:

गद्य -आउट साइडर, दासी, संस्कृति क्या है?

काव्य मंजरी – नदी के द्वीप, तुलसीदास के पद, बादल को घिरते देखा है, सारा आकाश - उपन्यास

उत्तरार्ध – सुबह- अंक 1,2,3,4,5 व्याकरण- निबंध, कहानी, महावरे, वाक्यों को शुद्ध करना, अपठित गद्यांश।

FINAL EXAM:

गद्य-1. क्या निराश हुआ जाए ?, मजबूरी

काव्य मंजरी – 2. जाग तुझको दूर जाना है 2. अंधेरे का दीपक

सारा आकाश उपन्यास

उत्तरार्ध – सुबह – अंक – 6, 7, 8, 9, 10

व्याकरण - निबंध, कहानी, महावरे, वाक्यों को शुद्ध करना, अपठित गद्यांश ।