



S. L. BAJORIA FOUNDATION HIGH SCHOOL

SYLLABUS 2024 – 2025

CLASS – XII (SCIENCE)

ENGLISH LANGUAGE

Pre-Selection Examination

Composition

1. Descriptive Essay
2. 1st Person Narrative Essay
3. Argumentative Essay
4. One Word Composition
5. Reflective Essay
6. Short Story
7. Directed Writing: i) Newspaper Report/ Magazine Report, ii) Book Review, iii) Film Review, iv) Review of a Cultural Programme, v) Article Writing, vi) Speech Writing, vii) Personal Profile, viii) Statement of Purpose
8. Proposal Writing

Functional Grammar

1. Do as Directed
2. Phrasal Verbs/Prepositions
3. Proper Forms of Verbs

Unseen Comprehension

Selection Examination

Syllabus is same as Pre-Selection Examination.

ENGLISH LITERATURE

Pre-Selection Examination

Short Story

1. Atithi
2. The Cookie Lady
3. There Will Come Soft Rains

Poetry

1. Telephone Conversation
2. Tithonus
3. Beethoven

Drama

Macbeth – Act 3, 4

Selection Examination

Short Story

1. Indigo
2. The Medicine Bag

Poetry

1. Small Towns and The River
2. Death Be Not Proud

Drama

Macbeth – Act 5

Entire Council Syllabus is included.

MATHEMATICS

Pre-Selection Examination

Section: A

1. Relation & Function
2. Inverse Trigonometric Function
3. Matrix
4. Determinant
5. Continuity & Differentiability
6. Integrals
7. Application of Derivatives

Section: B

1. Application of Integrals

Or

Section: C

1. Linear Regression
2. L.p.p

Selection Examination

Section: A

1. Differential Equation
2. Probability

Section: B

1. Vector
2. 3d Geometry

Or

Section: C

1. Application of Calculus in Commerce & Economics

The Pre-Selection Examination Syllabus is also included

PHYSICS

Pre-Selection Examination

1. Electrostatics
2. Current Electricity
3. Magnetic Effect of Current and Magnetism
4. Electromagnetic Induction and Alternative Current
5. Electromagnetic Waves

Selection Examination

1. Electrostatics
2. Current Electricity
3. Magnetic Effect of Current and Magnetism
4. Electromagnetic Induction and Alternative Current
5. Electromagnetic Waves
6. Optics
7. Dual Nature of Radiation and Matter
8. Atoms and Nuclei
9. Electronic Device(junction diodes)

COMPUTER SCIENCE

Pre-Selection Examination

1. Karnaugh Map
2. Object Passing as Function Arguments
3. Application of Logic Gates
4. Boolean Logic
5. Memory Address Calculation
6. Data Structures
7. Algorithms
8. Recursions
9. Arrays
10. String Handling

Selection Examination

1. Karnaugh Map
2. Object Passing as Function Arguments
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7. Algorithms
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9. Arrays
10. String Handling
11. Computational Complexity and Big-o Notations
12. Inheritance, Interface and polymorphism

BENGALI

Pre-Selection Examination

Koni:

1. Ch – 11,12,13

Kobita:

1. Sadhinata Tumi
2. Noon
3. Rasta Karo Ekar Noi

Probondho:

1. Ekti Tulsi Gacher Kahini
2. Aadab
3. Lachmaner Maa
4. Na Paharar Galpo

Grammer:

1. Samarthak Sabdo
2. Eki Shobder Bhinno Arthe Proyog
3. Bagdhara
4. Suddho Banan

Selection Examination

1. **Koni:** Chapter (1 to 14)
2. **Kobita:** Full Syllabus
3. **Grammer:** Full Syllabus
4. **Probondho-** Full Syllabus

BIOLOGY

Pre-Selection Examination

1. Sexual Reproduction in Flowering Plants
2. Genetics and Evolution
3. Biotechnology: Principles and Processes
4. Biotechnology and its Applications
5. Human Health and Diseases
6. Microbes in Human Welfare
7. Ecosystem
8. Biodiversity and its Conservation

Selection Examination

1. Organisms and Populations
2. Human Reproduction
3. Reproductive Health

The Pre-Selection Examination Syllabus is also included

CHEMISTRY

Pre-Selection Examination

1. Solutions.
2. Electrochemistry
3. Haloalkanes and Haloarenes
4. Alcohols ,Phenols and Ethers
5. Co-ordination Compounds
6. Chemical Kinetics

Selection Examination

1. d and f-Block Elements.
2. Aldehydes, Ketones and Carboxylic Acids.
3. Organic Compounds Containing Nitrogen.
4. Biomolecules.

The Pre-Selection Examination Syllabus is also included

GEOGRAPHY

Pre-Selection Examination

1. Physical Environment
2. Population and Human Settlements
3. Regional Economic Development

Map: Physical Map of India

Selection Examination

1. Physical Environment
2. Population and Human Settlements
3. Resources of India and Their Utilisation
4. Infrastructural Resources
5. Regional Economic Development

Map: Physical Map of India