

Syllabus for Class XI

English Language

1st Term

Unit - 2

1. Specimen Paper 1
2. Proposal Writing
3. Rewrite as directed
4. Tense
5. Comprehension

Half Yearly Examination

1. Specimen Paper 1 to 8
2. Listening skill
3. Speaking skill
4. Internal Assessment

Final Term

Unit - 3

1. Report Writing
2. Prepositions

Unit - 4

Class Test

1. Proposal Writing
2. Project Work

Annual Examination

1. Specimen Paper 9 to 15
2. Listening skill
3. Speaking skill
4. Internal Assessment

English Literature

1st Term

Unit - 2

1. Macbeth - Act I sc 1, 2 and 3
2. Story - A Living God
3. Abhisara - The Tryst

Half Yearly Examination

1. Macbeth - Act I sc 1, 2, 3, 4, 5, 6 and 7
2. Stories - a. A Living God
b. Advice to Youth
c. The Paper Menagerie
3. Poems - a. Abhisara - The Tryst
b. Why I like The Hospital
c. Sonnet 116

Final Term

Unit - 3

1. Macbeth - Act II sc 1
2. Story - The Great Automatic Grammatizator

Unit - 4

Class Test

1. Death of a Naturalist
2. Project Work

Annual Examination

1. Macbeth - Act I AND II
2. Stories - a. A Living God
b. Advice to Youth
c. The Paper Menagerie
d. The Great Automatic Grammatizator
e. Thank You Ma'am
1. Poems - a. Abhisara - The Tryst
b. Why I Like The Hospital
c. Sonnet 116
d. Death of a Naturalist
e. Strange Meeting

Mathematics

1st Term

Unit - 2

1. Sets
2. Relation and Function
3. Trigonometry
4. Complex Number

Project : Verify that for two sets A and B, $n(A \times B) = pq$, where $n(A) = p$ and $n(B) = q$, the total no. of relations from A to B is 2^{pq}

Half Yearly Examination

1. Quadratic Equation
2. Linear and Quadratic Inequalities
3. Permutation and Combination
4. Sequence and Series
5. Three Dimensional Geometry
6. Statistics

All the Chapters of Unit -2 are included in Half Yearly Examination

Final Term

Unit - 3

1. Straight Line
2. Limits and Derivatives

Unit - 4

1. Binomial Theorem
2. Probability

Project : Obtain the equation of the straight line in the normal form for α (the angle between the perpendicular to the line from the origin and the x axis) for each of the following

- i) $\alpha < 90^\circ$
- ii) $90^\circ < \alpha < 180^\circ$
- iii) $180^\circ < \alpha < 270^\circ$
- iv) $270^\circ < \alpha < 360^\circ$

Annual Examination

1. Circle
2. Conic Section

All the Chapters of Unit - 2, Half Yearly Examination, Unit - 3 and Unit - 4 are included

Applied Mathematics

1st Term

Unit - 2

1. Sets
2. Relation and Function
3. Trigonometry
4. Complex Number

Project : Verify that for two sets A and B, $n(A \times B) = pq$, where $n(A) = p$ and $n(B) = q$, the total no. Of relations from A to B is 2^{pq}

Half Yearly Examination

1. Quadratic Equation
2. Logarithm
3. Permutation and Combination
4. Sequence and Series
5. Measure of Dispersion
6. Skewness and Kurtosis

All the Chapters of Unit -2 are included in Half Yearly Examination

Final Term

Unit - 3

1. Straight Line
2. Limits and Derivatives
3. Correlation Analysis

Unit - 4

1. Binomial Theorem
2. Probability
3. Circles and Parabola

Project : Project on correlation between sleeping disorder and uses of smart phone

Annual Examination

1. Linear Regression
2. Mathematical Reasoning
3. Financial Mathematics

All the Chapters of Unit - 2, Half Yearly Examination, Unit - 3 and Unit - 4 are included

Physics

1st Term

Unit - 1

1. Measurement
2. Kinematics
3. Laws of Motion
4. Work, Power and Energy

Half Yearly Examination

All of Unit - 1

1. Motion of system of particles and rigid body
2. Gravitation

Practical :

- a. Experiments on measurements (Vernier Calipers, Screw Gauge, Spherometer)
- b. Friction
- c. Gravity

Final Term

Unit - 3

1. Properties of Bulk Matter

Unit - 4

1. Heat and Thermodynamics
2. Behaviour of perfect gases and Kinetic Theory of gases

Annual Examination

All of Half Yearly Examination + Unit - 3 and Unit - 4

1. Oscillations and Waves

Practical : All of Half Yearly Examination + Experiments on Sound, Heat

Chemistry

1st Term

Unit - 1 & Unit - 2

1. Basic Concepts of Chemistry (Calculations related to the strength in terms of normality, molarity, molality etc.)
2. Structure of Atom
3. Classification of Elements and Periodicity in properties
4. Chemical Bonding

Half Yearly Examination

All of Unit - 1 and Unit - 2 portions included

1. Chemical Thermodynamics
2. Redox Reactions
3. Introduction to Organic Chemistry (IUPAC Nomenclature)
4. Aliphatic Hydrocarbons (Alkanes)

Practical Work - Identification of Cations and Anions

2nd Term

Unit - 3

1. Chemical Equilibrium
2. Ionic Equilibrium

Unit - 4

1. Types of Chemical Reactions and their Mechanisms
 2. Isomerism : Classification
- Class Test : Types of Isomerism

Annual Examination

1. Aliphatic Hydrocarbons (Alkanes, Alkenes and Alkynes)
2. Aromatic Hydrocarbons and Conversions
(Including the portion listed in 1st Term Syllabus)

Practical Work : Identification of the unknown salt

Biology (Theory)

1st Term

Unit - 1 and II

1. Biological Classification
2. Plant Kingdom
3. Animal Kingdom

Project Work

Half Yearly Examination

1. Morphology of Flowering Plants
2. Anatomy of Flowering Plants
3. Cell Structure and Function
4. Cell Cycle
5. Biomolecules
6. Transport in Plants
7. Photosynthesis
8. Respiration

2nd Term

Unit - 3

1. Breathing and Gaseous Exchange
2. Body Fluids and Circulation

Unit - 4

Class Test : a. Excretion and Elimination of Waste
b. Movement and Locomotion

Annual Examination

1. Neural Control and Coordination
2. Chemical Coordination

The Entire Syllabus from Unit - 1 till the end

Biology Practical

1. Study of Microscopes
2. Food Test
3. Effect of Alcohol on Permeability of Cells
4. Paper Chromatography
5. Identification of Cell Stages
6. Effect of CO_2 on rate of Photosynthesis
7. Plasmolysis and Osmosis in living Cells
8. Morphology of Roots, Stems and Leaves
9. Slide of Onion Peel
10. T.S of monocot and dicot root and stem
11. Spotting and Identification

Computer Science

1st Term

- Section A : Hardware
 1. System of Numeration
 2. Encoding
 3. Propositional Logic, Hardware Implementation, Arithmetic Operations
- Section B : Java
 1. Introduction to Object Oriented Programming using Java
 2. Objects
 3. Primitive Values, Wrapper Classes, Types and Casting
 4. Variables , Expressions
 5. Statements, Scope
 6. Methods and Constructors
 7. Arrays

- Section C : Python
- 1. Introduction to Python

2nd Term

- Section B : Java
 - 1. Strings in Java
 - 2. Basic Input / Output file handling (only text)
- Section C : Python and Conceptual aspects
 - 1. Trends in computing and ethical issues

Accountancy

1st Term

Unit - 1 and Unit - 2

1. Introduction to Accounting
 2. Accounting Concepts
 3. Journal and Ledger
- Project Work

Half Yearly Examination

1. Sub - division of Journal
2. Cash book, Petty Cash book
3. Sales day book, Purchase day book
4. Sales return day book, Purchase return day book
5. Journal proper, Trial balance
6. Bank Reconciliation Statement
7. Depreciation
8. Bills of Exchange

All topics of Unit - 1 and Unit - 2

Final Term

Unit - 3

1. Final Accounts and Concept of Trading, profit and loss account and balance sheet without adjustments

Unit - 4

Class Test

1. Final Accounts and Concept of Trading, Profit and Loss accounts and Balance Sheet with adjustments
2. Marshaling of Balance Sheet

Project Work

Annual Examination

1. Capital and Revenue Expenditure / Income
2. Provisions and Reserves
3. Rectification of Errors
4. Accounting for Not-for-Profit Organization
5. Computerized Accounting System

All topics of 1st Term

Economics

1st Term

Unit - 1

1. Definition of Economics
2. Basic Concepts of Economics

Unit - 2

Class Test

1. Basic Problems of an Economy
2. Types of Economics

Project number (4) of Council's listed projects

Half Yearly Examination

1. Chapter -5, 6, 7, 8, 9, 10, 14, 16, 17 and 18
Syllabus of Unit -1 and Unit - 2 included in Half Yearly Examination

Unit - 3

1. Structural Changes in the Indian Economy after liberalization
2. The Problem of Poverty in India

Unit - 4

Class Test

1. Profile of Indian Agriculture / Rural Development
2. Measures of Dispersion

Project number (6) of council's listed projects

Annual Examination

1. Chapter - 15, 20, 21 alongwith all the syllabus of Unit -1, 2, 3, 4 and Half Yearly Examination

Business Studies

1st Term

Unit - 1 and Unit - 2

1. Business : Purpose and Classification
 2. Classification of Business activities
 3. Business Ethics and Corporate Social Responsibility
 4. Forms and Types of Business Organizations
 5. Types of Business Organizations under Private Sector
 6. Sole Proprietorship and Partnership
- Project Work

Half Yearly Examination

1. Corporate Organizations
 2. Co-operative Organizations
- All Topics of Unit - 1 and Unit - 2

Final Term

Unit - 3

1. Contemporary and Evolving Modes of Business -
 - i) e - business
 - ii) e - commerce
 - iii) e - banking

Unit - 4

Class Test

1. Domestic Trade
 2. Wholesale Trade, Retail Trade
- Project Work

Annual Examination

1. Business Risks and Insurance and all topics of 1st Term

Class: XI

Opt. Bengali Syllabus (2026-27)

Total Marks: 40

UTI & II

Story: ঠাকুরদা, তাসের ঘর

Poem: বনলতা সেন, ওরা কাজ করে

কোনি ; ১, ২, ৩, ৪

ব্যাকরণ: বাক্য পরিবর্তন, অশুদ্ধি সংশোধন, প্রকল্প

Half Yearly Examination

Story : ঠাকুরদা, জোড়াসাঁকোর ধারে, তাসের ঘর

Poem: ওরা কাজ করে, পূর্ব-পশ্চিম, বনলতা সেন, কোনি ; ১, ২, ৩, ৪, ৫

ব্যাকরণ: বাক্য পরিবর্তন, বাগধারা, অশুদ্ধি সংশোধন, রচনা, বোধ পরীক্ষণ

UT 3

Story: অনাচার

কোনি : ৬

ব্যাকরণ: এককথায় প্রকাশ, বাগধারা, অশুদ্ধি সংশোধন

UT 4

Story: রেকর্ড

Poem: বর্ণপরিচয়

কোনি ; ৭

ব্যাকরণ : ধ্বন্যাত্মক শব্দ, বাচ্য পরিবর্তন, প্রকল্প

Annual Examination

Story: আদাব

Poem: সালামেনের মা

কোনি ৮, ৯

এবং UT 3-4, রচনা, বোধ পরীক্ষণ

Hindi Syllabus 2026-27

Class: XI Subject: Hindi 2nd Language

1st Term

Unit-I

- Chp: পুত্র প্রেম
- Chp: সাখী
- আষাढ़ का एक दिन: (অংক 1)
- ব্যাকরণ: বাক্য শোধন, মুহাব্বেরে আদি।

Unit-II

- Chp: গৌরী
- Chp: বাল লীলা
- আষাढ़ का एक दिन: (অংক-1)
- ব্যাকরণ: বাক্য শোধন, মহাব্বের, অপঠিত গদ্যাংশ আদি।

Half Yearly Examination

- Chp: शरणागत
- Chp: एक फूल की चाह
- आषाढ़ का एक दिन: (अंक-1)
- व्याकरण: वाक्य शोधन, मुहावरे, लोकोक्तियां, अपठित गद्यांश, निबंध लेखन, कहानी लेखन आदि।

Final Term

Unit-III

- Chp: आ: धरती कितना देती है।
- Chp: सती
- आषाढ़ का एक दिन: (अंक-2)
- व्याकरण: वाक्य शोधन, मुहावरे, लोकोक्तियां आदि।

Unit-IV

- Chp: नदी के द्वीप
- Chp: आउटसाइडर
- व्याकरण: वाक्य शोधन, मुहावरे, लोकोक्तियां आदि।

Annual Examination

- Chp: तुलसी के पद
- Chp: दासी
- आषाढ़ का एक दिन (अंक- 1 और अंक-2)
- Units Included: Unit I (सभी पाठ), Unit-II (सभी पाठ), Unit-III (सभी पाठ), Unit-IV (सभी पाठ)
- व्याकरण: वाक्य शोधन, मुहावरे, लोकोक्तियां, अपठित गद्यांश, निबंध लेखन, कहानी लेखन आदि।

Physical Education

Unit - 1

1. Concept of Physical Education
 2. Individual Aspects and Group Dynamics
- Game - Cricket

Unit - 2

1. Effect of Physical Exercise
 2. Nutrition, Weight Control and Exercise
- Game - Football

Half Yearly Examination

1. Chapter - 1 to 4
Games - Cricket and Football

Unit - 3

1. Physical Fitness and Wellness
Game - Cricket

Unit - 4

1. Theories of Games and Sports
Game - Football

Annual Examination

1. Chapter - 1 to 6
Games - Cricket and Football

Artificial Intelligence

1st Term

Unit - 1

1. Basic Concepts of Artificial Intelligence

Unit - 2

1. Introduction and State of Art of AI, Natural Language Processing (NLP) and potential use of AI
2. Mathematics for AI

2nd Term

Unit - 3

1. Data Visualization

Unit - 4

1. Theoretical and Practical Aspects of data Processing
2. Data Modelling, Simple Linear Regression
3. Ethical Practices in AI

Environmental Science

1st Term, Unit - 1

- Environment - a. The Foundation of Life
b. Modes of Existence
c. Natural Resources and their ecological impact
d. Man-Nature relationship - Case study :
Jarawa of the Andamans

- Ecology and Ecosystems -
 - a. Relationship between living organisms
 - b. Energy Flow
 - c. Nutrient Cycles
 - d. Biomass

Unit - 2

- Pollution -
 - a. Disruption of Nutrient Cycles
 - b. Pollution Control Approaches
 - c. Water, Soil, Radioactive and Noise Pollution

Project Work

Half Yearly Examination

1. Legal regimes for Sustainable Development
 2. Legislative Framework
 3. Case Studies
 4. NGT
 5. Yamuna River Bed
 6. Coal Mining in Meghalaya
 7. International Institutions - UNEP, UNCTAD, WHO, UNDP, BRICS - Origin
 8. Earth Summit - Agenda 21
- All topics of 1st Term included

Final Term

Unit - 3

1. Technology and Environment
2. Technological evolution and models
3. Renewable Energy
4. Health - diseases and indicators
5. Common communicable and non communicable diseases
6. Low cost sanitation techniques

Unit - 4

1. Design and Planning for Environmental Conservation and Protection
2. Ecosystem Analysis