

Syllabus for
Class XII
English Language

1st Term

Unit - 1

1. Test Paper - 1 to 5
2. Comprehension
3. Proposal Writing
4. Grammar Exercises

Unit - 2

1. Test Paper - 6 to 8
 2. Listening and Speaking Skills
- Project Work

Half Yearly Examination

1. Test Paper - 1 to 8

Final Term

1. Test Paper - 9 to 15
 2. Listening and Speaking Skills
- Project Work

Preboard

1. Test Paper - 1 to 15

English Literature

1st Term

Unit - 1

1. Macbeth - Act III sc (i), (ii), (iii)
 2. Atithi
 3. Telephone Conversation
- Project Work

Unit - 2

1. Macbeth - Act III sc (iv), (v), (vi)
 2. The Cookie Lady
 3. Tithonus
- Project Work

Half Yearly Examination

1. Macbeth - Act III
2. Atithi
3. The Cookie Lady
4. There will come soft rains
5. Telephone Conversation
6. Tithonus
7. Beethoven

Final Term

1. Macbeth - Act IV and V
2. Indigo
3. The Medicine Bag
4. Small Towns and the River
5. Death be not Proud

Pre Board Examination

1. Macbeth - Act III, IV and V
2. Stories-All the 5 Stories done during 1st Term and Final Term
3. Poems-All the 5 Poems done during 1st Term and Final Term

Mathematics

1st Term

Unit - 1

1. Matrix
2. Determinant

Unit - 2

1. Relation and Function
2. Inverse Trigonometric Function
3. Continuity and Differentiability

Project : Explain the conditional probability, the theorem of total probability and the concept of Baye's Theorem with suitable example

Half Yearly Examination

1. Differentiation
2. Application of Derivative
3. Probability
4. Linear Programming Problem
5. Vectors

All Chapters of Unit - 1 and Unit - 2 are included in Half Yearly Examination

Final Term (Pre-Board)

1. Indefinite Integrals
2. Definite Integral
3. Differential Equation
4. Application of Integral
5. 3D Straight Line
6. 3D Plane

Project : Using any suitable data find the optimum cost in the manufacturing problem by formulating a Linear Programming Problem

Pre-Board Examination will be conducted on the basis of entire syllabus of 1st Term, Half Yearly Examination and Final Term

Physics

1st Term

Unit - 1

1. Electrostatics
2. Dual Nature of Radiation and Matter

Unit - 2

1. Current Electricity
2. Magnetic Effects of Current and Magnetism

Half Yearly Examination

All of Unit - 1 and Unit - 2

1. Electromagnetic Induction and Alternating Currents
2. Electromagnetic Waves

Practical : Experiments of Optics and meter-bridge (Electrical)

Final Term

1. Optics
2. Atoms and Nuclei
3. Electronic Devices

Pre-Board Examination

Chapter - 1 to 9 (All of 1st Term and Final Term + Half Yearly Examination)

Chemistry

1st Term

Unit - 1

1. Solution (Colligative properties and related numericals)
2. Chemical Kinetics

Unit - 2

1. Co-ordination Compounds
2. Haloalkanes and Haloarenes

Half Yearly Examination

1. Alcohols
 2. Phenols and Ethers
 3. Electrochemistry
 4. d-block and f-block elements (preparation and properties)
- Practical and Project Work

2nd Term

1. Aldehydes, Ketones and Carboxylic Acids
2. Aliphatic and Aromatic Amines
3. Cyanides and Isocyanides
4. Bio-molecules

Pre-Board Examination

Entire Syllabus from Chapter - 1 to 11
Practical and Project Work

Biology (Theory)

1st Term

Unit - 1

1. Reproduction in Plants
 2. Reproduction in Humans
 3. Reproductive Health
- Project Work

Unit - 2

1. Genetics and Evolution
2. Principles of Inheritance and Variation
3. Molecular basis of Inheritance
4. Evolution

Half Yearly Examination

1. Human Health and Diseases
2. Microbes in Human Welfare
3. Biotechnology - Principles and Application

All portion of Unit - 1 and Unit - 2 included in Half Yearly Examination

Final Term

1. Organism and Population
2. Ecosystem
3. Biodiversity and its Conservation
4. Environmental Issues

Pre-Board Examination

Entire Syllabus of 1st Term and Final Term + Half Yearly Examination

Biology (Practical)

1st Term

1. Study of floral characteristics through flower dissection
2. Study of the arrangement of the stomata
3. Study of the soil samples
4. Study of the effect of temperature on the action of enzymes
5. Isolation of DNA

Final Term

1. Slide preparation of germinating pollen grain
2. T.S of ovary
3. T.S of Hydrophyte Stem
4. T.S of Xerophytic Leaf
5. L.S of Dicot and Monocot Seed
6. Spotting and Identification

Computer Science

1st Term

1. Boolean Algebra - UT 1
2. Computer Hardware - UT 1
3. Implementation of algorithms to solve problems
4. Programming in Java (Review of Class XI)

5. Objects
6. Primitive values, Wrapper classes, Types and casting
7. Variables, Expressions
8. Statements, Scope
9. Methods
10. Arrays, Strings - UT 2
11. Recursion - UT 2

2nd Term

1. Inheritance, Interfaces and Polymorphism
2. Data Structures
3. Complexity and Big O notation

Accountancy

1st Term

Unit - 1

1. Partnership Accounts - a. Fundamentals of Partnership
b. Goodwill

Unit - 2

1. Reconstruction of Partnership
Class Test - Admission of Partner
Project Work

Half Yearly Examination

1. Retirement and Death of a Partner
 2. Joint Stock Company Accounts : Issue of Shares
 3. Financial Statement Analysis
 4. Ratio Analysis
- All topics of Unit - 1 and unit - 2

Final Term

Pre-Board Examination

1. Partnership Accounts -
 - a. Dissolution of a Partnership Firm
2. Joint Stock Company Accounts -
 - a. Issue of Debentures
 - b. Redemption of Debentures
 - c. Final Accounts of Companies
3. Cash Flow Statement

All topics of 1st term (UT -1 and UT - 2) and Half Yearly Examination

Commerce

1st Term

Unit - 1

1. Business Environment
2. Financing - Capital

Unit - 2

Class Test

1. Financing -
 - a. Source of Finance for a joint stock company
 - b. Banking

Project Work

Half Yearly Examination

1. Management (up to Organizing Function)
- All topics of Unit - 1 and Unit - 2

Final Term

Pre-Board Examination

1. Management (from Staffing function onwards)
 2. Marketing -
 - a. Concept, Functions
 - b. Meaning and Elements of Marketing mix
 - c. Consumers' Protection
- and all topics of 1st Term (UT - 1 and UT - 2) and Half Yearly Examination

Business Studies

1st Term

Unit - 1

1. Introduction to Human Resource Management
2. Job Analysis and Manpower Planning
3. Staff Recruitment

Unit - 2

1. Class Test -
 - a. Staff Selection
 - b. Staff Training

Project Work

Half Yearly Examination

1. Staff Morale
 2. Staff Motivation
 3. Staff remuneration
 4. Staff Leadership
 5. Staff Appraisal
 6. Staff Promotion and Transfer
 7. Staff Separation
- and all topics of Unit -1 and Unit - 2**

Final Term

Pre-Board Examination

1. Emerging trends in Human Resources
 2. Business Communication
 3. Business Correspondence
 4. Reports and Report Writing
 5. Various Business Entities
 6. Sources of Business Finance
 7. Globalisation
 8. e - Business
 9. Outsourcing
 10. Business Regulators and Intermediaries
- and all topics of 1st Term (UT - 1 and UT - 2) and Half Yearly Examination**

Economics

1st Term

Unit - 1

1. Demand and Law of Demand
2. Theory of Consumer Behaviour, Marginal utility and IC analysis

Unit - 2

Class Test

1. Elasticity of Demand
 2. Supply - Law of Supply and Price Elasticity of Supply
- Project : Demand and law of demand**

Half Yearly Examination

Chapter -6, 7, 8, 9, 10, 11, 13, 14 and 15
Syllabus of Unit - 1 and Unit - 2 are included in Half Yearly Examination. **Project : Money**

Final Term

Pre-Board Examination

Chapter - 12, 16, 17, 18, 19 and 20

(Pre-Board Examination will be conducted on the basis of entire syllabus of 1st Term, Half Yearly Examination and Final Term)

Bengali - Opt. Bengali Syllabus | Class: XII

1st Term

UT-1:

- কোনি: ১০, ১১
- প্রবন্ধ ও গদ্য সংকলন: বীর্যশুদ্ধা
- কবিতা সংকলন: যদি নির্বাসন দাও
- ব্যাকরণ: উক্তি পরিবর্তন, বাক্য পরিবর্তন

UT-2:

- কোনি: ১২, ১৩
- প্রবন্ধ ও গদ্য সংকলন: লছমেনের মা
- কবিতা সংকলন: স্বাধীনতা তুমি
- ব্যাকরণ: এক কথায় প্রকাশ, গল্প লিখন, প্রকল্প

Half Yearly Examination:

- কনি: ১৪
- প্রবন্ধ ও গদ্য সংকলন: একটি তুলসীগাছের কাহিনী
- কবিতা সংকলন: নুন
- ব্যাকরণ ও নিমিতি: বিপরীত শব্দ, বাচ্য পরিবর্তন, রচনা, বোধ পরীক্ষণ

2nd Term: (Full Syllabus)

- কোনি: পূর্ব পাঠের পুনরালোচনা
- প্রবন্ধ ও গদ্য সংকলন: না পাহাড়ার পরীক্ষা, পূর্ব পাঠের পুনরালোচনা
- কবিতা সংকলন: রাস্তা কারও একার নয়, পূর্ব পাঠের পুনরালোচনা
- ব্যাকরণ ও নিমিতি: পূর্ব পাঠের পুনরালোচনা

Hindi Syllabus 2026-27
Class: XII
Subject: Hindi 2nd Language

1st Term

Unit-I

- Chp -1: वया निराश हुआ आए ?
- Chp -2: जाग तुझके दूर जाना है
- आषाढ़ का एक दिन: (अंक-3)
- व्याकरण: वाक्य शोधन, मुहावरे लोकोक्तियाँ, निबंध लेखन आदि।

Unit-II

- Chp: भक्तिण
- Chp: उद्यामी नर
- आषाढ़ का एक दिन: (अंक-3)
- व्याकरण: मुहवरे, अपठित गद्यांश, वाक्य शेधन, लोकोक्तियाँ आदि।

Half Yearly Examination

- Chp: संस्कृति क्या है ?
- Chp: बादल को घिरते देखा है
- Chp: गजबूरी
- Chp: अँधेरे का दीपक
- आषाढ़ का एक दिन: (अंक-3)
- व्याकरण: वाक्य शोधन, मुहावरे, लोकोक्तियो कहानी लेखन, अपठित गद्यांश आदि।
- Unit-I (सभी पाठ), Unit-II (सभी पाठ)

Final Term
Pre-board & Revision Test

- गद्य: सभी कहानियाँ
- पद्य: सभी कविताएँ
- आषाढ़ा का एक दिन: (सभी अंक)
- व्याकरण: अपठित गद्यांश, निबंध लेखन, अनुच्छेद लेखन, कहानी-लेखन, लोकोक्तियाँ, मुहावरे, आशुद्ध, शुद्ध, वाक्य रचना आदि।

Physical Education

Unit - 1

1. Sociological Aspect of Physical Education
 2. Training Methods
- Games - Cricket

Unit - 2

1. Career Aspect in Physical Education
 2. Competition and Tournament
- Games - Football

Half Yearly Examination

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

Unit - 3

1. Health Education and Health Problems
- Game - Cricket

Unit - 4

1. Sports Injury and First Aid
- Game - Football

Pre-Board Examination

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

Environmental Science

1st Term

Unit - 1

1. Human beings and Nature
2. Modern schools of Ecological thought
3. Deep ecology and Shallow ecology
4. Social ecology
5. Earth First, World Wide Fund for Nature
6. Green Peace

Unit - 2

1. Third World Development
 2. Urban and Rural Divide
 3. Definition of Development
 4. A Case Study of Gandhian approach
 5. Urban Environmental Planning and Management
 6. Problems and Solutions of Environment
 7. Case Studies from the Third World
 8. Bogota, Cuba, Curitiba, Cochabamba
- Project Work

Half Yearly Examination

1. Environmental and Natural Resource
2. Economics
3. Classification of Natural Resources
4. GNP, GDP
5. Economic Status and Welfare
6. Cost benefit analysis
7. Natural capital regeneration

All the topics of Unit -1 and Unit - 2 are included in Half Yearly Examination

Final Term

Unit - 3

1. Population and Conservation Ecology
 2. Population Dynamics
 3. Human Populations
 4. Population Regulation
 5. Population Control - planning and education
 6. Conservation Strategies
 7. JFM, Project Tiger
- Project Work

Unit - 4

1. Monitoring Pollution -
 - a. Atmosphere and Air Quality
 - b. Water testing - indicators
 - c. Soil testing - indicators
2. Sustainable Agriculture -
 - a. Green Revolution, HYV
 - b. Elements of Sustainable Agriculture and Management

3. International Relations and Environment -
 - a. Case Studies of Amazonia, Africa and Chapman's Cycle
 - b. TRIPS, TRIMS and AOA
 - c. International Trade, WTO, GATT, IPR, TNCS

Pre-Board Examination

Entire Syllabus is included (All of 1st term , Final Term and Half Yearly Examination)

Artificial Intelligence

1st Term

1. Applications of AI - UT 1
2. Different paradigms of AI : Neural Networks, Machine Learning, Deep Learning - UT 1
3. Practical Implication of ANN - UT 2
4. Practical Implication of Machine Learning (ML) - UT 2

2nd Term

1. Introduction to Computer Vision (CV)