

Syllabus for
Class X
English Language

1st Term

- Book - Total English (for Class X)

Unit - 1

1. Practice paper - 2 and 3
2. Formal and Informal Letter Writing

Unit - 2

1. Practice Paper - 4 and 5 [grammar] Class Test
2. Speaking skills

Half Yearly Examination

1. Practice Paper 1 - 8
2. Formal and Informal Letter and Grammar
3. Notice and e mail and Grammar
4. Composition and comprehension
5. Speaking and Listening Skills

Preboard

1. Practice Paper 1- 15
2. Listening and Speaking Skills
3. Formal and Informal Letter
4. Notice and e mail
5. Grammar
6. Comprehension
7. Composition

English Literature

1st Term

Unit - 1

1. Julius Caesar - Act III sc (I)
2. Story - With the Photographer

Unit - 2

1. Poem - Haunted Houses - Class Test
2. Project Work

Half Yearly Examination

1. Julius Caesar - Act III and Act IV

2. Stories - With the Photographer

The Elevator

The Girl Who Can

1. Poems - Haunted Houses

The Glove and the Lions

When Great Trees Fall

Pre Board Examination

1. Julius Caesar - Act III, IV and V

2. Stories - With the Photographer

The Elevator

The Girl Who Can

The Pedestrian

The Last Lesson

1. Poems - Haunted Houses

The Glove and the Lions

When Great Trees Fall

A Considerable Speck

The Power of Music

Mathematics

1st Term

Unit - 1

1. Banking*

2. Matrices*

3. Linear Inequations*

Unit - 2

1. Quadratic Equation in One Variable*

2. Factorization*

3. Ratio and Proportion

4. Reflection

5. Section Formula

6. Arithmetic and Geometric Progression

7. Similarity

Project on Banking

***Denoted the chapters included in Unit Test**

2nd Term (Final)

1. GST
2. Shares and Dividends
3. Equation of a Straight Line
4. Trigonometrical Identities
5. Trigonometrical Tables
6. Heights and Distance
7. Measures of Central Tendency
8. Probability
9. Mensuration
10. Circles
11. Construction
12. Locus

Project on Measures of Central Tendency

Pre-Board Examination will be conducted on the basis of entire syllabus

Physics

1st Term

Unit - 1

1. Force
2. Work, Power and Energy

Unit - 2

(Class Test + Project)

3. Machines
4. Refraction of light at Plane surface
5. Refraction through a lens

Half Yearly Examination

All of Unit - 1 and Unit - 2

6. Spectrum
7. Sound
8. Current Electricity
9. Household Circuits

Final Term

Pre-Board Examination

All of Half Yearly Examination

10. Electromagnetism
11. Calorimetry
12. Radioactivity

Chemistry

1st Term

Unit - 1

- Chapter 1.Periodic Table and Periodic Properties
- Chapter 2.Chemical Bonding

Unit - 2

Class Test

- Chapter 3.Acids, Bases and Salts
- Chapter 4.Analytical Chemistry

Project - a) Identification of Gases

b) Action of heat on substances

Half Yearly Examination

1. Periodic Table and Periodic Properties
2. Chemical Bonding
3. Acids, Bases and Salts
4. Analytical Chemistry
5. Stoichiometry
6. Electrolysis
7. Metallurgy
8. Hydrogen Chloride
9. Ammonia and Nitric Acid
10. Practical Work

2nd Term

- Chapter 11.Sulphuric Acid
- Chapter 12.Organic Chemistry

Pre-Board Examination

- Chapter - 1 to 12

Biology

1st Term

Unit - 1

1. Cell Cycle and Cell Division
2. Structure of Chromosomes
3. Transpiration

Unit - 2

1. Genetics
2. Absorption in Plants (Project Work)

Half Yearly Examination

1. Cell Cycle and Cell Division
2. Structure of Chromosomes
3. Transpiration
4. Genetics
5. Absorption in Plants
6. Photosynthesis
7. Chemical Coordination in Plants
8. Circulatory System
9. Excretory System

Final Term

Pre-Board Examination

Syllabus of 1st Term and

1. Nervous System and Sense Organs
2. Endocrine System
3. Reproductive System
4. Population
5. Human Evolution
6. Pollution

Biology Practical

1st Term

1. Mitosis (Permanent Slide)
2. Experiments demonstrating Diffusion, Osmosis and Absorption
3. Physiological Experiments on Transpiration and Photosynthesis
4. Identification of Urinary System, Heart, Kidney
5. Different types of blood cells

Final Term

1. Structure of Brain, Ear and Eye
2. Endocrine Glands

History and Civics

Unit - 1

1. The Union Parliament
2. The First War of Independence

Unit - 2

1. Factors leading to the growth of Nationalism and Foundation of the INC

Project - Contribution of Raja Ram Mohan Roy and Jyotiba Phule

Half Yearly Examination

1. The Union Executive : The President and Vice President
2. The Union Executive : The Prime Minister, The Union cabinet and The Council of Ministers
3. The Union Judiciary : The Supreme Court
4. Objectives and Methods of Struggle of the Early Nationalists
5. Second Phase of the Indian National Movement : Partition of Bengal and other developments
6. Muslim League and its objectives
7. Lucknow Pact
8. The First World War
9. Rise of Dictatorship : Fascism in Italy and Nazism in Germany
10. The Second World War
11. United Nations Organizations : Major Organs and Objectives

Pre-Board Examination

1. The State Judiciary : High Courts
2. The Subordinate Courts
3. National Movement during 1919-1934 (Non-Cooperation Movement, Civil Disobedience Movement and other forces at work)

4. The Cripps Mission and the Quit India Movement
 5. Subhas Chandra Bose, Forward Block and the Indian National Army
 6. Independence and the Partition of India
 7. Major Agencies of the United Nations
 8. Non-Alignment Movement
- Entire syllabus taught in class X

Geography

Book - Total Geography, Morning Star

Unit - 1

1. Transport
2. Climate

Unit - 2

1. Topographical Map (Class Test)
- Project Work**

Half Yearly Examination

1. Climate
2. Soil Resources
3. Natural Vegetation
4. Water Resources
5. Transport
6. Waste Management
7. Map of India
8. Topographical Map

Pre-Board Examination

- Full Syllabus
- Map of India
- Topographical Map

Computer Applications

1st Term

Unit - 1

1. Revision of Class IX syllabus
2. Class as the Basis of all Computation
3. Use - defined Methods

Unit - 2

1. Constructors
2. Library Classes
3. Encapsulation
4. Arrays

2nd Term

1. String Handling

Subject Commercial Applications

1st Term

Unit - 1

1. Understanding the basis of markets and marketing
 - a. Definition of markets and marketing
 - b. Product and Service

Unit - 2

1. Class Test - a. Understanding 4 'P's
 - b. Advertising and Brand Promotion

Project Work

Half Yearly Examination

1. Sales and Selling Process
2. Understanding Finance
3. Elementary Understanding of Generally Accounting Principles
4. Principles of Financial Accounting and Reporting
5. Banking
6. Fundamental Concept of Cost and all topics of Unit - 1 and Unit - 2

Final Term

Pre-Board Examination

1. Understanding Human Resources -
 - a. Human Resources in a Commercial Organisation
 - b. Commonly used methods of recruitment, selection and training
2. Development of Public Relations
3. Meaning, Nature, Scope of Public Relations
4. History of Public Relations and Present Status

5. Ethics in Public Relations
6. Issue of the Environment
7. Community Participation and Contribution of awareness programme and all topic of 1st Term

Bengali Syllabus

Class: X

1st Term

UT-1:

- চাঁদের পাহাড়: ১০, ১১
- সংকলিতা - গিন্নি, নাম
- ব্যাকরণ - উক্তি পরিবর্তন, প্রত্যয়, বিপরীত শব্দ

UT-2:

- চাঁদের পাহাড়: ১২
- সংকলিতা, গল্পটা খুব সন্দেহজনক
- ব্যাকরণ - এক শব্দের ভিন্নার্থে প্রয়োগ, বাক্য পরিবর্তন, ধ্বন্যাত্মক শব্দ, প্রকল্প

Half Yearly Examination:

- চাঁদের পাহাড়: ১২
- সংকলিতা, গল্পটা খুব সন্দেহজনক
- ব্যাকরণ - এক শব্দের ভিন্নার্থে প্রয়োগ, বাক্য পরিবর্তন, ধ্বন্যাত্মক শব্দ, প্রকল্প

2nd Term: (Full Syllabus)

- চাঁদের পাহাড়: পূর্ব পাঠের পুনরালোচনা
- সংকলিতা - পূর্ব পাঠের পুনরালোচনা
- ব্যাকরণ ও নির্মিতি: পূর্ব পাঠের পুনরালোচনা

Subject- Hindi

1st Term

Unit-I

- Chp -1: भीड़ में स्वोया आदमी
- Chp -2: विनय के पद
- व्याकरण: पर्यायवाची, भाववाचक संज्ञा, विशेषण, अशुद्ध-शुद्ध, वाक्य, मुहावरे आदि।

Unit-II

(Class Test + Project)

- Chp: भेड़ अल्टर भेड़िए
- Chp: भिक्षुक
- व्याकरण: वाक्य, काल, विशेषण, विलोम, पर्यायवाची, भाववाचक संज्ञा, अशुद्ध-शुद्ध, मुहावरे आदि।

Half Yearly Examination:

- UT-I (सभी पठित) + UT-II (सभी पठित)
- व्याकरण: पत्र लेखन, निबंध लेखन, कहानी लेखन, अपठित गद्यांश, भैषिक लिखित बोर्ड आधारित आदि।

Final Term

- Chp: दो कलाकार
- Chp: वलना हमारा काम है
- Chp: मातृ मंदिर की अग्नर
- व्याकरण: विलोम, पर्यायवाची, विशेषण, अशुद्ध-शुद्ध, व्याकरण: भाववाचक संज्ञा, पत्र लेखन, निबंध, अपठित गद्यांश, बोर्ड आधारित सभी व्याकरण आदि।

Pre-board:

- साहित्य सागर: + पद्य (सभी पाठ)
- व्याकरण: बोर्ड आधारित सभी व्याकरण आदि।

Physical Education

Unit - 1

1. Human Growth and Development (Chapter - 1)
 2. Introduction to Physical Education (Chapter - 2)
- Games - Cricket

Unit - 2

1. Body Types (Chapter - 3)
 2. Physical Fitness and Wellness (Chapter - 4)
- Games - Football

Half Yearly Examination

1. Chapter - 1 to 4

Games - Cricket and Football

Pre-Board Examination

1. Chapter - 1, 2, 3, 4 and 5.6.7 and 8

2. Sports Training (Chapter - 5)

3. Safety in Sports (Chapter - 6)

4. Health Education (Chapter - 7)

5. Careers in Physical Education (Chapter - 8)

Games - Cricket and Football