

**CLASS - X****ENGLISH - I (LANGUAGE)****Book : TOTAL ENGLISH (10)** *Morning Star***FIRST TERM** UNITS 1 to 7**Unit Test - I** Unit 1 to 4**SECOND TERM** UNITS 8 to 15**ENGLISH - II (LITERATURE)****Half Yearly****Book : Drama : "Julius Caesar"**

Act III &amp; IV (All Scenes)

**Poems : Treasure Chest***(A Collection of ICSE Poems and Short Stories)*

1. Haunted Houses - H. W. Longfellow
2. The Glove and The Lions - Leigh Hunt

**Short Stories : Treasure Chest***(A Collection of ICSE Poems and Short Stories)*

1. With the Photographer- Stephen Leacoco
2. The Elevator - William Sleator

**Unit Test - I** Julius Caesar

Act III (Scenes 1 &amp; 2)

**SECOND TERM****Book : Drama : "Julius Caesar"**

Act V (All Scenes)

**Poems : Treasure Chest***(A Collection of Poems and Short Stories)*

1. When Great Trees Fall - Maya Angelou
2. A Considerable Speck - Robert Frost
3. The Power of Music - Sukumar Ray

**Short Stories : Treasure Chest***(A Collection of Poems and Short Stories)*

1. The Girl Who Can - Ama Ata Aidoo
2. The Pedestrian - Ray Bradbury
3. The Last Lesson - Alphonse Daudet

*Preliminary examinations I & II will include the entire syllabus of classes X.*

**हिन्दी****प्रथम सत्र**

व्याकरण पुस्तिका (सरस हिन्दी व्याकरण)

साहित्य सागर (गद्य)

साहित्य सागर (पद्य)

**कहानी**

6. बड़े घर की बेटी
7. संदेह
8. भीड़ में खोया आदमी

**कविता**

6. सूर के पद
7. विनय के पद
8. भिक्षुक

**नोट :** प्रथम सत्र में कक्षा 9 के पठित पाठों से संबंधित प्रश्न भी दिये जायेंगे।

**Unit Test - I**

6. बड़े घर की बेटी
7. सूर के पद

व्याकरण - मुहावरे, विलोम, पर्यायवाची, भाववाचक, विशेषण, उपसर्ग, प्रत्यय, तत्सम-तद्भव, अनेक शब्दों के लिए एक शब्द, निर्देशानुसार वाक्य परिवर्तन आदि।

**नोट :** 'सरस हिन्दी व्याकरण' से विभिन्न प्रकार के निबन्ध लेखन, औपचारिक - अनौपचारिक पत्र लेखन, अपठित गद्यांश, मौलिक कहानी लेखन व पर्यायवाची, विलोम, वाक्यांश, तद्भव, तत्सम, वाक्य शुद्धिकरण के अभ्यास कराये जायेंगे तथा प्रथम सत्र के पाठ्यक्रम भी द्वितीय सत्र में सम्मिलित हैं।

**द्वितीय सत्र**

व्याकरण पुस्तिका (सरस हिन्दी व्याकरण)  
साहित्य सागर (गद्य)  
साहित्य सागर (पद्य)

**कहानी**

9. भेड़ और भेड़िए
10. दो कलाकार

**कविता**

9. चलना हमारा काम है।
10. मातृ मंदिर की ओर

**नोट :** कक्षा 10 के प्री-बोर्ड में कक्षा 9 के भी पाठ सम्मिलित किये जायेंगे।

**MATHEMATICS**

**Book : ICSE Mathematics - Book II**

(S. Chand, O. P. Malhotra, S. K. Gupta, Anubhuti Gaganl)

**FIRST TERM****Unit -1 : Commercial Mathematics**

- |             |   |   |
|-------------|---|---|
| Chapter - 1 | : | Goods and Services Tax (G.S.T.)                     |
| Chapter - 2 | : | Banking   |
| Chapter - 3 | : | Shares and Dividends<br>(Brokerage is not included) |

**Unit - 2 : Algebra**

- |              |   |                                      |
|--------------|---|--------------------------------------|
| Chapter - 4  | : | Linear Inequations In One Variable   |
| Chapter - 5  | : | Quadratic Equations                  |
| Chapter - 6  | : | Ratio & Proportion                   |
| Chapter - 7  | : | Factor Theorem (Factorization)       |
| Chapter - 8  | : | Matrices                             |
| Chapter - 9  | : | Arithmetic and Geometric Progression |
| Chapter - 10 | : | Reflection                           |
| Chapter - 11 | : | Co-ordinate Geometry                 |

**Unit - 6 : Statistics**

- Chapter - 18 : Arithmetic Mean, Median, Mode and Quartiles
- Chapter - 19 : Histogram & Ogive
- Chapter - 20 : Probability

**Unit Test - I**

- Chapter - 1 : Goods and Services Tax (G.S.T.)
- Chapter - 2 : Banking
- Chapter - 4 : Linear Inequations In One Variable
- Chapter - 18 : Arithmetic Mean, Median, Mode and Quartiles
- Chapter - 19 : Histograms and Ogive
- Chapter - 20 : Probability

**SECOND TERM****Unit 3 : Geometry**

- Chapter - 12 : Similarity Triangles
- Chapter - 13 : Loci
- Chapter - 14 : Circles

**Unit - 4 : Mensuration**

- Chapter - 15 : Three Dimensional Solids

**Unit - 5 : Trigonometry**

- Chapter - 16 : Trigonometrical Identities and Tables

Chapter - 17 : Heights and Distances.

*Preliminary examinations I & II will include the entire syllabus.*

**PHYSICS**

**Book : Concise Physics - X**

(Selina Publication)

**FIRST TERM**

- Chp. 1 : Force
- Chp. 2 : Work, Energy and Power
- Chp. 3 : Machines
- Chp. 4 : Refraction of light at plane surfaces
- Chp. 5 : Refraction through lens
- Chp. 6 : Spectrum
- Chp. 7 : Sound
- Chp. 11: Calorimetry

**Unit Test - I**

1. Force
2. Work, Energy and Power
3. Machines

**SECOND TERM**

- Chp. 8 : Current Electricity

- Chp. 9 : Household Circuits  
 Chp. 10: Electro-Magnetism  
 Chp. 12: Radioactivity

*Preliminary examinations I & II will include the entire syllabus.*

## CHEMISTRY

Book : **Concise**

### FIRST TERM

1. Modern Periodic Table and Periodic Properties
2. Chemical Bonding
3. Acids, Bases and Salts and Analytical Chemistry
4. Analytical Chemistry
5. Mole Concept and Stoichiometry
7. Electrolysis
8. Hydrogen Chloride Gas and Hydrochloric Acid
9. Study of Ammonia

### Unit Test - I

- 1) Periodic Table
- 2) Chemical Bonding
- 3) Analytical Chemistry
- 4) Mole Concept

### SECOND TERM

6. Metallurgy
10.  $\text{HNO}_3$

11. Sulphuric Acid ( $\text{H}_2\text{SO}_4$ )
12. Organic Chemistry

*Preliminary examinations I & II will include the entire syllabus.*

## BIOLOGY

Book : **Concise Biology**

[Selina Publication]

### FIRST TERM

1. Structure of Chromosomes, Cell Cycle and Cell Division
2. Genetics - Some Basic Fundamental
3. Absorption by Roots - The Processes involved
4. Transpiration
5. Photosynthesis
6. Chemical Co-ordination in Plants
7. The Circulatory System
8. The Excretory System

### Unit Test - I

1. Absorption by Roots
2. Transpiration
3. Photosynthesis

### SECOND TERM

9. The Nervous System
10. Sense Organs
11. The Endocrine System

12. The Reproductive System
13. Human Evolution
14. Population : The Increasing Numbers and Rising Problems
15. Pollution : A Rising Environmental Problem

## HISTORY & CIVICS

*Book : Total History & Civics-10* (Morning Star)

### FIRST TERM

#### Civics :

1. The Union Parliament
2. The President and the Vice-President
3. Prime Minister and the Council of Minister

#### Indian History :

1. The First War of Independence 1857
2. The Growth of Nationalism
3. First Phase of Indian National Movement
4. Second Phase of Indian National Movement
5. The Muslim League

#### The Contemporary World :

1. The First World War
2. Rise of Dictatorships
3. The Second World War

4. The United Nations
5. Major Agencies of United Nations
6. Non-Aligned Movement

### Unit Test - I

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

### SECOND TERM

#### Civics :

1. The Supreme Court
2. The High Courts and the Subordinate Courts

#### Indian History :

1. Mahatma Gandhi and the National Movement.
2. Quit India Movement.
3. Forward Bloc and The INA
4. Independence and Partition of India

*Preliminary examinations I & II will include the entire syllabus.*

## GEOGRAPHY

*Book : Total Geography - 10* (Morning Star Publication)

### FIRST TERM

#### SECTION - A

#### Survey Map :

1. Scale
2. Contour and their relief features

3. a) Conventional signs and symbols  
b) Important Terms  
c) Uses of colours on a survey map
4. Four & six figures grid reference
5. a) Drainage Pattern  
b) Settlement Pattern

**Map work :**

A question will be set to locate and label on an outline map of India, mountains, plateaus, plains desert, rivers, water bodies, passes, latitude and longitude - tropic of cancer, standard meridian (82° 30'E), wind, minerals, soils, cities (Delhi, Mumbai, Kolkata, Chennai, Hyderabad, Bengaluru, Kochi, Chandigarh, Srinagar, Vishakapatnam, Allahabad), Population (dense and sparse).

**SECTION - B****Geography of India**

1. The Climate of India
2. Soils of India
3. Natural Vegetation of India
4. Water Resources
5. Minerals in Resources
6. Conventional Sources of Energy
7. Non-Conventional Sources of Energy
8. Industries of India -
  - a) Agro based industries- Sugar, Textiles (Cotton & Silk)
  - b) Mineral based Industries- Iron & Steel (TISCO, Bhilai, Rourkela, Vishakapatnam) Petrochemical and Electro-nics.
10. Transport - Roadways, Railway, Airways and Water-ways

**Unit Test - I**

1. Climate
2. Soils

**SECOND TERM****SECTION - A**

1. Survey Map -
  - a) Area calculation
  - b) Distance
  - c) Direction

**SECTION - B**

11. Agriculture in India - I
12. Agriculture in India - II : Food Crops
13. a) Agriculture in India - III : Cash Crops (1)  
b) Agriculture in India - IV : Cash Crops (2)
14. Waste Management -
  - a) Impact of waste accumulation
  - b) Need for Management of waste
  - c) Safe Disposal of waste
  - d) Reduce - Reuse, Recycle waste

*Preliminary examinations I & II will include the entire syllabus.*

## COMPUTER APPLICATION

Book : **Total Computer Application** (Morning Star)

### FIRST TERM

#### Chapter - 1 :

Introduction : OOP's Concept, OOP's Principles, Real life examples of OOP's to Define inheritance, Encapsulation, Data Abstraction and Polymorphism.

#### Chapter - 2 :

Introduction to class: Introduction, Lexical issues, Data types, Variables, Displaying Data, Class. Structure of a program. Creating Class.

#### Chapter - 6 :

Decision making: Introduction, selection statements, The if statement, Nested if. The switch case, ternary operator (? :)

#### Chapter - 7 :

Introduction through Loops: Introduction. The While, do while, for loop, Nested loops, Jump statements such as break & continue. Difference between all loops.

#### Chapter - 5 :

Class as a User Defined types: Introduction, Operation on primitive types, Types of operators, Operator precedence. Simple type wrapper.

#### Chapter - 8 :

Using Library Class : Introduction, Libraries, String handling, Methods in string & math class. Input the values using streams, Character streams and byte streams.

Reading character, how to define buffer stream and data input stream. Calling wrapper class to convert string to int, float, double etc. What is package. How to import package or a particular member of package.

#### Chapter - 3 :

Function : What is function, why it is needed; Types of function (call by value and Call by reference). Overloading a function. Default and parameterized function. Objects as parameters. User defined and In built functions.

#### Chapter - 4 :

Constructor: What is Constructor and why it is needed. What are the basic of a Constructor functions. What is the difference between a constructor function and ordinary function. Types of Constructor function stored as default and parameteried constructor.

### Unit Test - I

1. Iteration
2. Values and Types
3. Function
4. Conditional and Loops

*Note : Program based on Class IX statements.*

### SECOND TERM

#### Chapter - 9 :

Encapsulation : What is encapsulation. Controlling access to member of a class.

Access level such as private, public, protected, package. Scope of variables, Static member, Static functions. Inheritance is not in the syllabus.

**Chapter - 10 :**

Introduction : Need of array, creating and using arrays, Arrays as parameters. Copying arrays. Arrays of objects. Searching (Linear & Binary) Sorting (selection and Bubble). Class object, 2-Dimensional Array.

*Preliminary examinations I & II will include the entire syllabus. File handing is not in the syllabus.*

**COMMERCIAL APPLICATIONS**

**Book : ICSE Commercial Applications** by C.B. Gupta  
(Goyal Brothers Prakashan)

**FIRST TERM [Chapter 1 - 8]****1. Understanding the Basics of Market & Marketing :**

- Meaning & Types of Market
- Marketing Mix
- Advertising & Brand Promotion.
- Sales and Selling Process.

**2. Understanding Finance :**

- GAAP
- Financial Accounting & Reporting
- Banking & Bank Transactions
- Fundamental Concepts of Cost

**Unit Test - I :** a) Meaning & Types of Markets  
b) Marketing Mix

**SECOND TERM [Chapters 9 - 12]****3. Understanding Human Resources :**

- Importance of Human Resources.
- Methods of Recruitment, Selection & Training.

**4. Development of Public Relations :**

- Meaning, nature & scope of PR's.
- Elements of PR, History & Ethics in PR.

**5. Issues of the Environment**

- Ecosystem & its destruction
- Consumer Education & Rights

**Unit Test - II :** a) Importance of Human Resources  
b) Recruitment, Selection & Training

**Note :** Two assignments / Projects in the first term and Two assignments / Projects in the Second term plus VIVA.  
*Preliminary exam. I & II will include the entire syllabus.*

**MORAL SCIENCE**

**Book : Inspiring Souls** (Acevision)

**FIRST TERM** Lessons 1 to 8

**SECOND TERM** Lessons 9 to 15

