

CLASS - X

ENGLISH - I (LANGUAGE)

Book : TOTAL ENGLISH (10) Morning Star

FIRST TERM UNITS 1 to 7

Unit Test - I

Unit 1 to 3

- a) Grammar Exercises
- b) Formal and Informal Letters
- c) Notice and E-mail

SECOND TERM UNITS 8 to 15

ENGLISH - II (LITERATURE)

FIRST TERM

Book : Drama : "The Merchant of Venice"
- William Shakespeare (Morning Star)
Act III - Scenes 2, 3, 4 & 5
Act IV - Scenes 1

Poetry : Treasure Trove - Vol I - Poems
(Beeta Publications)

- 7. I know why the Caged Bird Sings - Maya Angelou
- 8. The Patriot - Robert Browning

Prose : Treasure Trove - Vol II - Short Stories

- 7. The Little Match Girl - Hans Christian Andersen
- 8. The Blue Bead - Norah Burke

(Half Yearly Examination will include the entire syllabus of Class IX.)

SECOND TERM

Book : Drama : "The Merchant of Venice"
William Shakespeare Morning Star - Act V
All the Scenes
Act IV - Scene 2

Poetry : Treasure Trove - Vol I - Poems

- 9. Abou Ben Adhem - Leigh Hunt
- 10. Nine Gold Medals - David Roth

Prose : Treasure Trove - Vol II - Short Stories

- 9. My Greatest Olympic Prize - Jesse Owens
- 10. All Summer in a Day - Ray Bradbury

Unit Test - I

Unit 1 to 3 (English - I, Total English)

Play : Act III Scene 2, 3

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

हिन्दी

प्रथम सत्र

व्याकरण पुस्तिका (सरस्वती सुमन 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 : 'सरस्वती व्याकरण सुमन' 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 (सरस्वती 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 ग्री-बोर्ड में कक्षा 9 के भी पाठ सम्मिलित किये जायेंगे।

MATHEMATICS

Book : **ICSE Concise Mathematics**

FIRST TERM

Unit -1 : Commercial Mathematics

- | | | |
|-------------|---|---------------------------------|
| Chapter - 1 | : | Goods and Services Tax (G.S.T.) |
| Chapter - 2 | : | Banking |
| Chapter - 3 | : | Shares and Dividends |

Unit - 2 : Algebra

- Chapter - 4 : Linear Inequations In One Variable
- Chapter - 5 : Quadratic Equations
- Chapter - 6 : Problems on Quadratic Equations
- Chapter - 7 : Ratio & Proportion
- Chapter - 8 : Remainder Theorem and Factor Theorem

- Chapter - 9 : Matrices
- Chapter - 10 : Arithmetic Progression
- Chapter - 11 : Geometric Progression

Unit 3 : Coordinate Geometry

- Chapter - 12 : Reflection
- Chapter - 13 : Section and Mid-Point Formulae
- Chapter - 14 : Equation of a Straight Line

Unit - 4 : Statistics

- Chapter - 23 : Graphical Representation of Statistical Data

- Chapter - 24 : Measures of Central Tendency
- Chapter - 25 : Probability

Unit Test - I

- Chapter - 1 : G.S.T.
- Chapter - 2 : Banking
- Chapter - 3 : Linear equations in one variable
- Chapter - 24 : Arithmetic Mean, Median, Mode and Quartiles

- Chapter - 23 : Histograms and Ogive
- Chapter - 25 : Probability

SECOND TERM

Unit 3 : Geometry

- Chapter - 15 : Similarity
- Chapter - 16 : Loci
- Chapter - 17 : Circles
- Chapter - 18 : Tangent & Intersection Chords
- Chapter - 19 : Constructions

Unit - 4 : Mensuration

- Chapter - 20 : Volume and Surface Area of Solids

Unit - 5 : Trigonometry

- Chapter - 21 : Trigonometrical Identities and Tables
- Chapter - 22 : 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) Salts and Analytical Chemistry
- 4) Mole Concept
- 5) Hydrogen Chloride Gas and Hydrochloric Acid

SECOND TERM

6. Metallurgy
10. HNO₃
11. Sulphuric Acid (H₂SO₄)
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
4. Chemical Co-ordination in Plants

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

Note : i) Consult the Scope of Syllabus (2019) for each topic.
ii) Preliminary examinations I & II will include the entire syllabus.

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.

Chapter - 11 :

(This is new chapter according to the new syllabus)

Basic Input output (Use of Scanner classes)

- i) Scanner Classes (For int, float, char etc.)
- ii) Printer Classes

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 :

- a) Meaning & Types of Market
- b) Marketing Mix
- c) Advertising & Brand Promotion.
- d) Sales and Selling Process.

2. Understanding Finance :

- a) GAAP
- b) Financial Accounting & Reporting
- c) Banking & Bank Transactions
- d) Fundamental Concepts of Cost

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

SECOND TERM [Chapters 9 - 12]

3. Understanding Human Resources :

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

4. Development of Public Relations :

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

5. Issues of the Environment

- a) Ecosystem & its destruction
- b) 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

