

Class - IX

ENGLISH - I (Language)

Book : Total English (IX) *Morning Star*

FIRST TERM : UNITS 1 to 8

SECOND TERM : UNITS 9 to 15

Note : Annual Examination will include the entire Syllabus.

ENGLISH - II (Literature)

FIRST TERM

**Book : Drama : "Julius Caesar" -
William Shakespeare**

Act : 1 - All the Scenes

**Book : Poetry : Treasure Chest "A Collection of
ICSE Poems"**

1. Night Mail - *W.H. Auden*
2. Skimbleshanks - *T.S. Eliot*
3. I Remember, I Remember - *Thomas Hood*

**Book : Prose : Treasure Chest "A Collection of ICSE
Short Stories"**

1. Oliver Asks for More - *Charles Dickens*
2. The Hodel Millionaire - *Oscar Wilde*

SECOND TERM

**Book : Drama : "The Merchant of Venice" -
William Shakespeare**

Act : II

**Book : Poetry : Treasure Chest "A Collection of
ICSE Poems"**

1. A Doctor's Journal Entry for
August 6, 1945 - *Vikram Seth*
2. A Work of Artifice - *Marge Piercy*

**Book : Prose : Treasure Chest "A Collection of ICSE
Short Stories"**

1. Bonku Babu's Friend - *Satyajit Ray*
2. The Home-Coming - *Rabindranath Tagore*
3. The Boy who Broke the Bank - *Ruskin Bond*

Unit Test - I

1. Act I Scenes I and II
2. Grammar (Unit 1 to 4)

Unit Test - II

1. Julius Caesar : Act II
2. Grammar (Unit 5 to 8)
3. Hearts and Hands (Prose)
4. Grammar (Unit 9 to 12)

Note : Annual examination will include the entire syllabus.

हिन्दी

प्रथम सत्र

पुस्तक : व्याकरण पुस्तिका (सरस हिन्दी व्याकरण)
साहित्य-सागर (कहानी)

कहानी

1. बात अठन्नी की
2. काकी
3. महायज्ञ का पुरस्कार

साहित्य सागर (कविता) :

1. साखी
2. गिरधर की कुण्डलियाँ
3. स्वर्ग बना सकते हैं

Unit Test - I

1. बात अठन्नी की
2. काकी
3. व्याकरण - विलोम, पर्यायवाची, विशेषण, भाववाचक संज्ञा, तत्सम, तद्भव-वाक्यांश, उपसर्ग, प्रत्यय, मुहावरे, निर्देशानुसार वाक्य परिवर्तन आदि।

द्वितीय सत्र

पुस्तक : साहित्य-सागर (कहानी)

4. नेताजी का चश्मा
5. अपना-अपना भाग्य

साहित्य सागर (कविता) :

4. वह जन्मभूमि मेरी
5. मेघ आए

Unit Test - II

1. वह जन्मभूमि मेरी (कविता)
2. मेघ आए (कविता)
3. व्याकरण- वाक्य शुद्धिकरण, वाक्य परिवर्तन, विशेषण, भाववाचक, विलोम, पर्यायवाची, तत्सम-तद्भव, वाक्यांश, मुहावरे 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।

MATHEMATICS

Book : Mathematics Concise Maths

FIRST TERM

Unit - 1 : Pure Mathematics

Ch. - 1 : Rational and Irrational Numbers

Unit - 2 : Commercial Mathematics

Ch. - 2 : Compound Interest (w/o Formulae)

Ch. - 2 : Compound Interest (with Formulae)

Unit - 3 : Algebra

Ch. - 4 : Expansion

Ch. - 5 : Factorization

Ch. - 6 : Simultaneous Linear Equations in two variable

Unit - 4 : Geometry

Ch. - 9 : Triangles (Congruence of Triangles)

Ch. - 10 : Isosceles Triangles

Ch. - 11 : Inequalities

Ch. - 12 : Mid-Point and intercept theorem

Ch. - 13 : Pythagoras Theorem

Unit - 5 : Statistics

Ch. - 18 : Statistics, Introduction, Data and Frequency distribution

Ch. - 19 : Mean, Median and Frequency polygon

Unit - 6 : Mensuration

Ch. - 20 : Area and perimeter of Plane Figures
Circumference and Area of a Circle

Unit - 8 : Co-Ordinate Geometry

Ch. - 26 : Co-ordinates Geometry

Ch. - 27 : Graphs of Simultaneous Linear Equations

Ch. - 28 : Distance Formula

Unit Test - I :

Rational and Irrational Numbers

Compound Interest (Both)

Expansion

Perimeter and Area of Plane Figures

SECOND TERM**Unit - 3 : Algebra**

Ch. - 7 : Indices

Ch. - 8 : Logarithms

Unit - 4 : Geometry

Ch. - 14 : Quadrilaterals (Rectilinear figures)

Ch. - 15 : Construction of Polygon

Ch. - 16 : Areas Theorem

Ch. - 17 : Chord Properties of a Circle

Arc Properties of Circles

Unit - 6 : Mensuration

Ch. - 21 : Surface Area and Volume of 3D Solids
(Cuboid & Cube)

Unit - 7 : Trigonometry

Ch. - 22 : Trigonometrical Ratio

Ch. - 23 : Trigonometrical Ratios of Standard Angles.

Ch. - 24 : Solution of Right Triangles

Ch. - 25 : Complementary Angles

Unit Test - II

Ch. 6. Indices

Ch. 7. Logarithms

Ch. 17. Circle

Ch. 19. Mean, Median and Frequency polygon

Ch. 21. Volume and Surface Area of Solids

Ch. 22. Trigonometrical Ratios

Note : Annual Examination will include the entire Syllabus.

PHYSICS

Book : **Concise Physics** : Selina Publications

FIRST TERM

1. Measurement and Experimentation
2. Motion in one dimension
3. Laws of Motion
6. Reflection of light
8. Propagation of sound waves

Unit Test - I

- Ch. 1. Measurement and Experimentation
- Ch. 2. Motion in one dimension

SECOND TERM

4. Pressure in fluids and atmospheric pressure.
5. Upthrust in fluids, Archimedes' Principle and Floatation
7. Heat and Energy
9. Current Electricity
10. Magnetism

Unit Test - II

1. Pressure in Fluids and atmospheric pressure
2. Upthrust in Fluids, Archimedes Principle and Floatation
3. Current Electricity

*Note : Follow the scope of syllabus strictly.
Annual Examination will include the entire Syllabus.*

CHEMISTRY

Prescribed Book :

FIRST TERM

- 1) Language of Chemistry
- 2) Chemical changes and Reactions
- 3) Water
- 4) Atomic Structure and Chemical Bonding
- 7) Study of Gas Laws

Unit Test - I

- 1) Language of Chemistry
- 2) Study of Gas Laws
- 3) Atomic Structure

SECOND TERM

- 5) The Periodic Table
- 6) Study of the First Element - Hydrogen
- 8) Atmospheric Pollution

Unit Test - II

- 1) Chemical changes and Reactions
- 2) The Periodic Table
- 3) Hydrogen

*Note : Annual Examination will include the entire Syllabus.
Follow the Scope of Syllabus Strictly.*

BIOLOGY

Prescribed Book : **Concise Biology**

FIRST TERM

Half Yearly :

1. Cell : The Unit of Life
2. Tissues : Plant and Animal Tissues
3. The Flower
4. Pollination and Fertilisation
5. Seeds - Structure and Germination
6. Respiration in Plants
7. Five Kingdom Classification
8. Economic Importance of Bacteria and Fungi
9. Diseases, Causes and Control
10. Hygiene - A Key to Healthy Life (Half Yearly)

Unit Test - I

1. The Cell
2. Tissues : Plant and Animal Tissues
3. The Flower

SECOND TERM

1. Nutrition
2. Digestive System

3. Skeleton - Movement and Locomotion
4. Skin - The Jack of All Trades
5. The Respiratory System
6. Aids to health
7. Health Organisation
8. Waste Generation and Management

Unit Test - II

1. Nutrition
2. Digestive System
3. Skin - Jack of All Trades

Note : Annual Examination will include the entire Syllabus.

HISTORY AND CIVICS

Book : **Total History & Civics - 9** (Morning Star)

FIRST TERM

CIVICS :

- 1) Our Constitution
- 2) Salient Features of the Constitution - I
- 3) Salient Features of the Constitution - II

HISTORY :

- 1) The Harappan Civilization.

- 2) The Vedic Period
- 3) Jainism and Buddhism
- 4) The Mauryan Empire
- 5) The Sangam Age
- 6) The Age of the Guptas
- 7) Medieval India - The Cholas
- 8) Medieval India - The Delhi Sultanate

Unit Test - I

- 1) The Harappan Civilisation
- 2) The Vedic Period
- 3) Our Constitution

SECOND TERM

CIVICS :

- 1) Elections
- 2) Local Self Government - Rural
- 3) Local Self Government - Urban

HISTORY :

- 1) Medieval India - The Mughal Empire
- 2) Medieval India - Composite Culture
- 3) The Modern Age in Europe - (A) Renaissance
- 4) The Modern Age in Europe - (B) Reformation
- 5) The Modern Age in Europe - (C) Industrial Revolution

Unit Test - II

- 1) Elections
- 2) Local Self Government - Rural
- 3) The Mughal Empire
- 4) Composite Culture

Note : Annual Exams will cover the entire Syllabus.

GEOGRAPHY

Book : Total Geography - 9 (Morning Star Publication)

FIRST TERM

Unit-I : Our World

- 1) Earth As a Planet
- 2) Latitudes and Longitudes
- 3) Rotation and Revolution of the Earth

Unit-II : The Structure of the Earth

- 4) Earth's structure
- 5) Landforms of the Earth
- 6) Rocks
- 7) Volcanoes
- 8) Earthquakes
- 9) Weathering
- 10) Denudation

Unit-III : Hydrosphere

Map of the World

1. **Oceans and Seas** - Oceans of the World, Caribbean Sea, North Sea, Black Sea, Caspian Sea, Mediterranean Sea, South China Sea.
2. **Gulfs** - Gulf of Carpentaria, Gulf of Mexico, Gulf of Guinea, Persian Gulf.
3. **Straits & Bays** - Strait of Malacca, Bering Strait, Hudson Bay, Strait of Gibraltar.
4. **Rivers** - Mississippi, Colorado, Amazon, Paraguay, Nile, Zaire, Niger, Orange, Volga, Danube, Ganga Murray-Darling, Hwang Ho, Mekong, Irrawady, Tigris, Euphrates, Zambezi, Rhine, Yangtze-Kiang, Ob, Indus, Rhine.

Unit Test - I

- 1) The Earth as a Planet
- 2) Latitudes and Longitudes

SECOND TERM

Unit-IV : Atmosphere

- 1) Composition and Structure of the Atmosphere.
- 2) Insolation
- 3) Atmospheric pressure and winds
- 4) Humidity

Unit-V : Pollution

- 5) Pollution
- 6) Sources of Pollution

- 7) Effects of Pollution
- 8) Preventive Measures

Unit-VI : Natural Regions of the World

Map of the World :

1. **Mountains** - Rockies, Andes, Appalachian, Alps, Himalayas, Pyrenees, Scandinavian Highlands, Zagros, Drakensburg, Khyber, Caucasus, Atlas, Urals, Great Dividing Range.
2. **Plateaus** - Canadian Shield, Tibetan Plateau, Brazilian Highlands, African Rift Valley, Iranian Plateau, Patagonian Plateau.
3. **The Major Natural Regions of the World** - Equatorial, Tropical Grasslands, Tropical Desert, Tropical Monsoon, Mediterranean type, Temperate Grasslands, Taiga, Tundra.

Unit Test - II

- 1) Composition and Structure of Atmosphere
- 2) Insolation

Note : Annual examination will include the entire syllabus.

COMPUTER APPLICATIONS

Book : *ICSE Understanding Computer Applications with Blue J* (Avichal Publishing Company)

FIRST TERM

Ch. - 1 : Introduction to Object Programming Concept

- i) Principal of Object Oriented Programming (Difference between Procedure Oriented and Object Oriented)
- ii) Introduction to Java : Types of Java Program - Applets and Applications, Java Compilation process, Java Source Code, Byte Code, Object Code, Java Virtual Machine (JVM), Feature of Java

Ch. - 2 : Elementary Concept of Objects and Classes

Modelling entities and their behaviour by Objects, Class is a specification for objects and as object factory, Computation as message passing / method call between objects, Class as user defined data type.

Ch. - 3 : Values and Data Types

Character Set, ASCII Code, Unicode, Escape Sequence Character, Tokens, Constant and Variables, Type Conversion

Ch. - 4 : Operators in Java

Forms of Operators, Types of Operators, Counters, Accumulator, Hierarchy of Operators, Operator, dot (.) Operator.

Ch. - 5 : Input in Java

Initialization, Parameter, Introduction to Packages, Input Stream (Scanner Class), Types of Errors, Types of Comments

Ch. - 6 : Mathematical Library Methods

Introduction to Package Java.lang (default), Methods of Math Class

Ch. - 7 : Conditional Construct in Java

Application of if, if else, if else if ladder, Switch Case, Default Break

Unit Test - I

- 1) Introduction to OOP'S
- 2) Concept of Class and object
- 3) Value and Data types
- 4) Operators in Java
- 5) Input and Conditional Construct in Java
- 6) Programming

SECOND TERM

Ch. - 8 : Iterative Construct in Java

Defination, Types of Looping statements, Entry Controlled Loops (for, while), Exit Control Loop (do - while), Variation in Looping Statements and Jump Statements (break and continue)

Ch. - 9 : Nested for Loops

Introduce nested Loops through some Simple examples, Demonstrate break and Continue statements with the help of nested loops.

Ch. - 10 : Computing and Ethics
Ethical issues in Computing

Unit Test - II

- 1) Mathematical Library Methods
- 2) Iterative Construct in Java
- 3) Nested for Loops
- 4) Programming

COMMERCIAL APPLICATIONS

Book : **ICSE Commercial Application - (Part - I)**
by C.B. Gupta

FIRST TERM

Chapter : 1-6 & 13-16

I) Introduction to Commercial Organisation

- a) Economic & Non-Economic Activities
- b) Sole Proprietorship & Joint Hindu Family Business
- c) Partnership
- d) Joint Stock Companies
- e) Co-operative Societies
- f) Public Sector Enterprises

II) Environmental Awareness

- a) Natural Resources
- b) Conservation of Resources

- c) Industrial & Pollution of Environment
- d) Depletion of Resources

Unit Test - I

- 1) Introduction to Commercial Organisation.
 - a) Economic & Non-Economic Activities
 - b) Sole Proprietorship & Joint Hindi Family Business

SECOND TERM

Chapter : 7 - 12

III) Functions of a Commercial Organisation

- a) Departmentation
- b) Types of Departments

IV) Business Communication

- a) Meaning of Communication
- b) Ways of Communicating
- c) Tools of Communication

V) Nature & Terminology of Accounting

- a) Journal, Ledger etc.
- b) Types of Accounts, Book-Keeping etc.

Unit Test - II

- 1) Functions of Commercial Organisation

Note : Annual Examination will include the entire Syllabus.

MORAL SCIENCE

Book : **Inspiring Souls** (Acevision)

FIRST TERM

Lessons 1 to 8

SECOND TERM

Lessons 10 to 15

