

Class - IX

ENGLISH - I (Language)

Book : Total English (IX)

Morning Star

FIRST TERM : UNITS 1 to 8

Unit Test - I :

1. Notice Writing
2. E-Mail Writing
3. Total English (Unit 1 to 4)
4. Speaking & Listening Skills

Unit Test - II :

1. Letter Writing (Formal & Informal)
2. Total English (Unit 5 to 8)

SECOND TERM : UNITS 9 to 15

Unit Test - III :

1. Composition Writing
2. Total English (Unit 9 to 12)

Unit Test - IV :

1. Total English (Unit 13 to 15)

Note : Annual Examination will include the entire syllabus of Class IX.

ENGLISH - II (Literature)

FIRST TERM

Book : Drama : "Julius Caesar"

-William Shakespeare

Act : 1 - All the Scenes

Book : Poetry : Treasure Chest

1. The Night Mail - W.H. Auden
2. Skimbleshanks - The Railway Cat
- T.S. Eliot
3. I Remember I Remember - Thomas Hood

Book : Prose : Treasure Chest

1. Bonku Babu's Friend - Satyajit Ray
2. Oliver asks for More - Charles Dickens
3. The Model Millionaire - Oscar Wilde

Unit Test - I :

1. Julius Caesar Act I (Scene I)
2. The Night Mail
3. Bonku Babu's Friend

Unit Test - II :

1. Julius Caesar Act I (Scene II)
2. Oliver asks for More
3. Skimbleshanks

SECOND TERM

Book : Drama : "Julius Caesar"-William Shakespeare
Act : II - All the Scenes

Book : Poetry : Treasure Chest

1. A Doctor's Journal Entry - Vikram Seth
2. A Work of Artifice - Marge Piery

Book : Prose : Treasure Chest

1. Home Coming - R. N. Tagore
2. The Boy who broke the Bank - Ruskin Bond

Unit Test - III :

1. Julius Caesar (Act II Scene I)
2. A Doctor's Journal Entry

Unit Test - IV :

1. Julius Caesar (Act II Scene III)
2. Home Coming

हिन्दी**प्रथम सत्र**

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

साहित्य सागर (कहानी) :

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

साहित्य सागर (कविता) :

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

Unit Test - I :

1. बात अठन्नी की
2. साखी
3. समस्त व्याकरण - विलोम, पर्यायवाची, भाववाचक संज्ञा, वर्तनी शुद्धिकरण आदि।

Unit Test - II :

1. काकी
2. गिरिधर की कुण्डलियाँ
3. समस्त व्याकरण (मुहावरे एवं लोकोक्तियाँ, तत्सम-तद्भव 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 - III :

1. नेताजी का चश्मा
2. वह जन्मभूमि मेरी
3. समस्त व्याकरण - प्रत्यय, उपसर्ग, विलोम आदि समस्त व्याकरण।

Unit Test - IV :

1. अपना-अपना भाग्य
2. मेघ आए
3. समस्त व्याकरण- वाक्य शुद्धिकरण, वाक्य परिवर्तन, विशेषण आदि

नोट : सरस हिन्दी व्याकरण से विभिन्न प्रकार के निबन्ध लेखन, औपचारिक, अनौपचारिक पत्र लेखन व पर्यायवाची, विलोम, तत्सम, तद्भव शुद्धिकरण के अभ्यास कराये जायेंगे तथा प्रथम सत्र के पाठ्यक्रम भी द्वितीय सत्र में सम्मिलित हैं।

MATHEMATICS

Book : ICSE Mathematics - I S. Chand
O.P. Malhotra, S.K. Gupta, Anubhuti Gangal

FIRST TERM

Unit - 1 : Pure Mathematics

- Ch. 1. Rational and Irrational Numbers

Unit - 2 : Commercial Mathematics

- Ch. 2. Compound Interest

Unit - 3 : Algebra

- Ch. 3. Expansion
Ch. 4. Factorization
Ch. 5. Simultaneous Linear Equations in two variables

Unit - 4 : Geometry

- Ch. 8. Triangles
Ch. 9. Mid-Point and intercept theorem
Ch. 10. Pythagoras Theorem

Unit - 6 : Mensuration

- Ch. 16. Area of Plane Figures
Ch. 17. Circle-Circumference and area

Unit - 8 : Co-Ordinate Geometry

- Ch. 20. Co-ordinates & Graphs of Simultaneous Linear Equations

Unit Test - I :

- Ch. 1. Rational and Irrational Numbers
Ch. 2. Compound Interest Ch. 3. Expansion

Unit Test - II :

- Ch. 4. Factorization
Ch. 5. Simultaneous Linear Equations in two variables
Ch. 8. Triangles

SECOND TERM

Unit - 3 : Algebra

- Ch. 6. Indices / Exponents
Ch. 7. Logarithms

Unit - 4 : Geometry

- Ch. 11. Rectilinear Figures (construction of Trapezium not included)
- Ch. 12. Area-Theorems
- Ch. 13. Circle

Unit - 5 : Statistics

- Ch. 14. Statistics, Introduction, Data and Frequency Distributions
- Ch. 15. Mean, Median and Frequency polygon

Unit - 6 : Mensuration

- Ch. 18. Surface Area and Volume of 3D Solids

Unit - 7 : Trigonometry

- Ch. 19. Trigonometrical Ratios

Unit Test - III :

- Ch. 6. Indices / Exponents
- Ch. 7. Logarithms
- Ch. 12. Area-Theorems

Unit Test - IV :

- Ch. 11. Rectilinear Figures
- Ch. 10. Trigonometrical Ratios
- Ch. 13. Circle

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
7. Reflection of Light
8. Propagation of sound waves

Unit Test - I :

1. Measurement and Experimentation

Unit Test - II :

2. Motion in one dimension
3. Laws of Motion

SECOND TERM

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

Unit Test - III :

4. Pressure in Fluids and atmospheric pressure
5. Upthrust in Fluids, Archimedes Principle and Floatation

Unit Test - IV :

6. Heat and Energy
9. Current Electricity

CHEMISTRY

Book : **ICSE CHEMISTRY** - Allied Publication

FIRST TERM

- 1) **The Language of Chemistry :**
(Excluding : Partial Equation Method)
- 2) **Study of Gas Laws :**
(Excluding : Graphical Representation of Laws)
- 3) **Chemical Changes and Reactions :**
(Excluding : Characteristics and Conditions for Chemical Reactions)
- 4) **Water :**
(Excluding : Solubility Curve, Dilute and Concentrated Solution, Characteristics of True Solutions, Crystals and Crystallization, Experimental Studies.)
- 5) **Atomic Structure :**
(Excluding : Discovery of Electron, Proton and Neutron, Isotopes of K, Cr, O)

Unit Test - I :

- 1) The Language of Chemistry

Unit Test - II :

- 1) Study of Gas Laws
- 2) Chemical Changes and Reactions

SECOND TERM

- 6) **The Periodic Table :**
(Excluding : Trends in Periodic Properties)

- 7) **Study of the First Element - Hydrogen :**
(Excluding : Electrolysis of Water, Electronic Concept of Oxidation and Reduction, Uses of Hydrogen.)
- 8) **Atmospheric Pollution**

Unit Test - III :

- 1) Periodic Table
- 2) The Language of Chemistry

Unit Test - IV :

- 1) Study of the First Element - Hydrogen
- 2) Atomic Structure and Chemical Bonding

BIOLOGY

Prescribed Book : **Concise Biology**

FIRST TERM

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

Unit Test - I :

1. The Cell
2. Tissues Plant and Animal Tissues

Unit Test - II :

1. The Flower
2. Pollination and Fertilisation

SECOND TERM

1. Nutrition
2. Digestive System
3. Skeleton - Movement and Locomotion
4. Skin - The Jack of All Trades
5. Respiratory System
6. Aids to Health
7. Health Organisations
8. Waste Generation

Unit Test - III :

1. Nutrition
2. Digestive System

Unit Test - IV :

1. Skeleton - Movement and Locomotion
2. Skin - Jack of All Trades

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

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

Unit Test - I :

- 1) The Harappan Civilisation
- 2) The Vedic Period

Unit Test - II :

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

SECOND TERM**CIVICS :**

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

HISTORY :

- 1) Medieval India - The Delhi Sultanate
- 2) Medieval India - The Mughal Empire
- 3) Medieval India - The Composite Culture
- 4) The Modern Age in Europe - The Renaissance
- 5) The Modern Age in Europe - The Reformation
- 6) The Modern Age in Europe - The Industrial Revolution

Unit Test - III :

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

Unit Test - IV :

- 1) Medieval India - The Delhi Sultanate
- 2) Medieval India - The Mughal Empire
- 3) Medieval India - The Composite Culture

Note : Annual Exams will cover the entire Syllabus.

GEOGRAPHY

Book : **1. Total Geography - 9**
(Morning Star Publication Volume 1)
2. New Topographical Map (Marina Pub.)

FIRST TERM**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, Yangtse-Kiang, Ob, Indus.

Our World :

- 1) Earth as a planet
- 2) Geographic grid - Latitude and Longitude
- 3) Rotation and Revolution

Structure of the Earth :

- | | |
|----------------------|---------------------------|
| 4) Earth's Structure | 5) Landforms of the Earth |
| 6) Rocks | 7) Volcanoes |
| 8) Earthquakes | 9) Weathering |
| 10) Denudation | 11) Hydrosphere |

Unit Test - I :

- 1) Earth as a planet
- 2) Latitude and Longitude

Unit Test - II :

- 1) Earth's Structure 2) Landforms of the Earth
- 3) Map Work I Term

SECOND TERM

Map of the World :

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

Atmosphere :

- 12) Composition and Structure of the Atmosphere
- 13) Insolation
- 14) Atmospheric Pressure and Winds
- 15) Humidity

Pollutions :

- 16) Types - Air, Water (fresh and marine) Soil, Radiation and Noise

- 17) Sources : Noise, Air, Soil, Radiation, Water
- 18) Effects : On the environment and human health
- 19) Preventive Measures
- 20) Natural Regions of the World

Unit Test - III :

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

Unit Test - IV :

- 1) Pollutions
- 2) Sources of Pollution
- 3) Map Work of the II Term

Note : Annual examination will include the entire syllabus.

COMPUTER APPLICATIONS

Book :

FIRST TERM

Ch. - 1 : Introduction to Object Oriented 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 using Scanner Class, Types of Errors, Types of Comments.

Ch. - 7 : Conditional Construct in Java

Application of if — else if, if — else if ladder, Switch — Case, default, break.

Unit Test - I :

- 1) Introduction to Object Oriented Programming Concept
- 3) Value and Data types

Unit Test - II :

- 4) Operators in Java
- 5) Input in Java
- 7) Conditional Construct in Java

SECOND TERM**Ch. - 6 : Mathematical Library Methods**

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

Ch. - 8 : Iterative Construct in Java

Definition, 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 - III : 6) Mathematical Library Methods

8) Iterative Construct in Java

Unit Test - IV : 9) Nested for Loops

COMMERCIAL APPLICATIONS

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

FIRST TERM**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) Causes of Depletion of Resources
- c) Practices for Conservation of Resources
- d) Sources of Pollution

Unit Test - I :

- a) Economic & Non-Economic Activities
- b) Sole Proprietorship & Joint Hindu Family Business

Unit Test - II :

- a) Partnership
- b) Joint Stock Companies

SECOND TERM

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) Need and Relevance of Accounting
- b) Basic understanding of Debit and Credit
- c) Basic Accounting Terminology
- d) Journals, Ledgers, Cash Book

Unit Test - III :

- 1) Departmentation and Types of Departments
- 2) Business Communication

Unit Test - IV :

- 1) Need and Relevance of Accounting
- 2) Basic understanding of Debit and Credit

Note :

1. Annual Examination will include the entire Syllabus.
2. Unit Test will be conducted as per the Individual School.

MORAL SCIENCE

Book : Heart and Mind

FIRST TERM : Lesson 1 to 7

SECOND TERM : Lesson 8 to 13

