

**ST. JOSEPH'S COLLEGE**  
**SESSION 2026-2027**  
**SYLLABUS FOR CLASS 9**

**ENGLISH LANGUAGE:**

Textbook: Total English, Book 9.

1. Composition (Narrative/Descriptive/Argumentative/Short Story/Picture Composition)
2. Letter (Formal and Informal)
3. Notice and E-mail
4. Comprehension
5. Grammar (Do as directed)

The above mentioned topics will be included in ALL THE TERMS.

**ENGLISH LITERATURE:**

Textbooks:

**I. Drama:** *Julius Caesar: William Shakespeare*

**II. Treasure Chest :** A Collection of ICSE Short Stories and Poems (Evergreen Publications(India)Ltd. New Delhi)

**MID TERM 1**

Prose:

Bonku Babu's Friend

Poem:

The Night Mail-W.H.Auden

Drama

Julius Caesar Act I Sc I

**HALF YEARLY**

Julius Caesar (Drama)

Act 1 Sc 2&3

Prose:

Bonku Babu's Friend – Satyajit Ray

Oliver Asks for More- Charles Dickens

The Model Millionaire- Oscar Wilde

Poem:

The Night Mail-W.H.Auden

Skimbleshanks: The Railway Cat- T.S.Eliot

**MID TERM 2**

Prose:

Homecoming-Rabindranath Tagore

Poem:

I Remember, I Remember- Thomas Hood

Drama

**FINAL TERM**

Julius Caesar ( Act 2 Sc 3&4)

Prose:

Bonku Babu's Friend – Satyajit Ray  
Oliver Asks for More- Charles Dickens  
The Model Millionaire- Oscar Wilde  
Homecoming-Rabindranath Tagore  
The Boy who Broke the Bank-Ruskin Bond

Poem:

The Night Mail-W.H.Auden  
Skimbleshanks: The Railway Cat- T.S.Eliot  
I Remember, I Remember- Thomas Hood  
A Doctor's Journal Entry for August 6, 1945-Vikram Seth  
A Work of Artifice- Marge Piercy

**MATHEMATICS(51)**

**UNDERSTANDING ISC MATHEMATICS CLASS IX BY M.L.AGARWAL**

**MID TERM 1**

1. COMPOUND INTEREST
2. EXPANSION
3. TRIANGLES
4. RATIONAL AND IRRATIONAL NUMBERS

**HALF YEARLY**

1. RATIONAL AND IRRATIONAL NUMBERS
2. COMPOUND INTEREST
3. EXPANSION
4. FACTORIZATION
5. SIMULTANEOUS LINEAR EQUATIONS
6. PROBLEMS ON SIMULTANEOUS LINEAR EQUATIONS
7. QUADRATIC EQUATIONS
8. INDICES
9. LOGARITHMS
10. TRIANGLES
11. MID-POINT THEOREM
12. PYTHAGORAS THEOREM
19. COORDINATE GEOMETRY

**MID TERM 2**

1. EXPANSION
2. QUADRATIC EQUATIONS
3. MENSURATION (TRIANGLE AND QUADRILATERAL ONLY)
4. TRIGNOMETRICAL RATIOS

## **FINAL TERM**

1. RATIONAL AND IRRATIONAL NUMBERS
2. COMPOUND INTEREST
3. EXPANSION
4. FACTORIZATION
5. SIMULTANEOUS LINEAR EQUATIONS
6. PROBLEMS ON SIMULTANEOUS LINEAR EQUATIONS
7. QUADRATIC EQUATIONS
8. INDICES
9. LOGARITHMS
10. TRIANGLES
11. MID-POINT THEOREM
12. PYTHAGORAS THEOREM
13. RECTILINEAR FIGURES
14. THEOREMS ON AREA
15. CIRCLES
16. MENSURATION
17. TRIGNOMETRICAL RATIOS
18. TRIGNOMETRICAL RATIOS OF STANDARD ANGLES
19. COORDINATE GEOMETRY
20. STATISTICS

**QUESTION PAPER FORMAT AS PER ICSE 2028 SPECIMEN PAPER. FULL SYLLABUS AS PER ICSE 2028**

## **PHYSICS**

### **CONCISE PHYSICS PART- I BOOK-9- SELINA**

#### **MID TERM 1**

1. Measurements and Experimentation
2. Motion in One Dimension

#### **HALF YEARLY**

1. Measurements and Experimentation
2. Motion in One Dimension
3. Laws of Motion
4. Fluids
5. Light

#### **MID TERM 2**

1. Heat and Energy
2. Electricity

#### **FINAL TERM**

1. Heat and Energy
2. Electricity and Magnetism
3. Sound

**Full Syllabus as per the Scope of CLASS 9**

## **CHEMISTRY**

## **CONCISE CHEMISTRY IX SELINA PUBLISHERS**

### **HALF YEARLY**

1. LANGUAGE OF CHEMISTRY (MT1)
2. CHEMICAL CHANGES AND REACTION
4. ATOMIC STRUCTURE AND CHEMICAL BONDING
5. PERIODIC TABLE
7. STUDY OF GAS LAWS (MT1)

### **MID TERM 1**

3. LANGUAGE OF CHEMISTRY (MT1)
8. STUDY OF GAS LAWS (MT1)

### **MID TERM 2**

1. ATOMIC STRUCTURE AND CHEMICAL BONDING (MT2)s
2. PERIODIC TABLE (MT2)

### **FINAL TERM**

1. LANGUAGE OF CHEMISTRY
2. CHEMICAL CHANGES AND REACTION
3. WATER
4. ATOMIC STRUCTURE AND CHEMICAL BONDING (MT2)
5. PERIODIC TABLE (MT2)
6. HYDROGEN
7. STUDY OF GAS LAWS
8. ATMOSPHERIC POLLUTION
9. PRACTICAL WORK

**QUESTION PAPER FORMAT AS PER ICSE2026 SPECIMEN PAPER. FULL SYLLABUS AS PER ICSE 2027**

## **BIOLOGY**

### **CONCISE BIOLOGY SELINA PUBLICATIONS CLASS IX**

#### **MID TERM 1**

Unit 2: Flowering Plants

(i) Flower: Structure of a bisexual flower, functions of various parts.

- A brief introduction to complete and incomplete flowers.
- Essential and non-essential whorls of a bisexual flower; their various parts and functions.
- Inflorescence and placentation (meaning only).

(ii) Pollination: self and cross-pollination.

- Explanation, advantages and disadvantages of self and cross-pollination.
- Agents of pollination and the characteristic features of flowers pollinated by various agents such as insects, wind, and water.
- A brief idea as to how nature favours cross pollination.

(iii) Fertilisation.

- Events taking place between pollination and fertilisation leading to the formation of zygote in the embryo sac.
- A brief explanation of the terms -double fertilization and triple fusion.
- Fruit and Seed - definition and significance.

#### **HALF YEARLY**

Unit 1: Basic Biology

(i) The cell, a unit of life, protoplasm, basic difference between prokaryotic and eukaryotic cell; differences between an animal and a plant cell.

- A basic understanding of the cell theory, structure of plant and animal cell with functions of various cell organelles (Protoplasm, Cytoplasm, Nucleus, Nucleolus, Mitochondria, Endoplasmic Reticulum, Ribosome, Golgi bodies, Plastids, Lysosomes, Centrosome and Vacuole) and cell boundaries (Cell Wall, Cell Membrane).
  - Major differences between a prokaryotic and a eukaryotic cell.
  - Differences between a plant cell and an animal cell- to be mainly discussed with respect to cell wall, centrosome, vacuoles and plastids.
- (ii) Tissues: Types of plant and animal tissues.
- A brief understanding of their location, basic structure and functions with examples.
  - A brief understanding of their role in different physiological processes in plants and animals.

### Unit 3: Plant Physiology

(i) Structure of dicot and monocot seeds. Germination of seeds, types, and conditions for seed germination.

- Structure and germination of Bean seed and Maize grain.
- Differences between monocot and dicot seeds.
- Differences between hypogeal and epigeal germination.
- Conditions for seed germination - to be explained and supported by experiments.

(ii) Respiration in plants: outline of the process, gaseous exchange.

- A brief outline of the process mentioning the terms Glycolysis, Krebs cycle and their significance.
- Concept of aerobic and anaerobic respiration with chemical equations in each case.
- Experiments on gaseous exchange and on heat production.

### Unit 4: Diversity in Animal Kingdom:

Kingdom Animalia - non-chordates from Porifera to Echinodermata and Chordates - all five Classes.

**Portions for Mid term 1 are also included in the half yearly assessment.**

## MID TERM 2

### Unit 6: Human Anatomy and Physiology

(i) Nutrition.

- Classes of food; balanced diet. Malnutrition and deficiency diseases.
  - Functions of carbohydrates, fats, proteins, mineral salts (calcium, iodine, iron and sodium), vitamins and water in proper functioning of the body.
  - Sources of vitamins, their functions and deficiency diseases.
  - Meaning and importance of a 'Balanced Diet'.
  - Role of cellulose in our diet.
  - Causes, symptoms and prevention of Kwashiorkor and Marasmus.
- The structure of a tooth, different types of teeth.
  - Structure of a tooth with the help of a diagram.
  - Functions of different types of teeth.
  - Dental formula of an adult.
- Digestive System: Organs, digestive glands and their functions (including enzymes and their functions in digestion, absorption and assimilation of digested food).
  - Organs and glands of the digestive system and their functions with reference to digestion, absorption and assimilation.

## FINAL TERM

### Unit 5: Economic importance of Bacteria and Fungi

(i) Useful role of bacteria.

- Medicine: antibiotics, serums and vaccines.
  - Agriculture: nitrogen cycle (role of nitrogen fixing, nitrifying and denitrifying bacteria).
  - Industry -curing of tea, tanning of leather.
- (ii) Harmful role of bacteria - spoilage of food, diseases in plants and animals, bio-weapons.

(iii) Economic importance of Fungi.

A brief idea of the useful role of Fungi in breweries, bakeries, cheese processing, and mushroom cultivation. (Processes of manufacture are not required).

## Unit 6: Human Anatomy and Physiology

### (ii) Skeleton - Movement and Locomotion.

- Functions of human skeleton.
- Axial and Appendicular Skeleton.
- Types of joints with reference to their location.
  - immovable joints.
  - slightly movable joints.
  - freely movable (hinge joint, ball and socket joint, gliding joint, pivot joint).

### (iii) Structure and functions of skin.

- Various parts of the skin and their functions.
- Special derivatives of the skin with reference to sweat glands, sebaceous glands, hair, nails and mammary glands.
- Heat regulation - vasodilation and vasoconstriction.

## Unit 7: Health and Hygiene

### (i) A brief introduction to communicable, non-communicable, endemic, epidemic, pandemic and sporadic diseases; modes of transmission.

- Meaning of each of the above with examples.
- Modes of transmission: air; water; vectors (housefly, mosquito, cockroach).

### (ii) Bacterial, Viral, Protozoan, Helminthic diseases.

- Bacterial: Cholera, typhoid, tuberculosis.
- Viral: AIDS, Chicken pox, Hepatitis.
- Protozoan: Malaria, Amoebic Dysentery, Sleeping sickness.
- Helminthic: Ascariasis, Taeniasis, Filariasis. (Symptoms and measures to control the above diseases.)

(Scientific names of causative agents not required).

### (iii) Aids to Health:

- An understanding of the use and action of the following – vaccination, immunization, antitoxin, serum, antiseptics, disinfectants, antibiotics.
- An idea of the local defense system and its merits, difference between antiseptics and disinfectants.

(iv) Health Organizations: Red Cross, WHO. Major activities of the Red Cross and WHO.

**NOTE: FINAL TERM ASSESSMENT WILL INCLUDE THE MT1, HALF YEARLY AND THE MT2 SYLLABUS.**

## **HISTORY AND CIVICS**

**BOOK : TOTAL HISTORY AND CIVICS, MORNING STAR PUBLICATION**

### **MID TERM 1**

#### **HISTORY**

1. The Harappan Civilisation

#### **CIVICS**

1. Our Constitution

### **HALF YEARLY**

#### **HISTORY**

1. The Harappan Civilisation
2. The Vedic Period
3. Jainism And Buddhism
4. The Mauryan Empire
5. The Sangam Age
6. The Age Of The Guptas

## **CIVICS**

1. Our Constitution
2. Salient Features Of The Constitution- I
3. Salient Features Of The Constitution- Ii

## **MID TERM 2**

### **HISTORY**

8. Medieval India- (B) The Delhi Sultanate
9. Medieval India – (C) The Mughal Empire

### **CIVICS**

2. Salient Features Of The Constitution- I
3. Salient Features Of The Constitution- Ii

## **FINAL TERM**

### **HISTORY**

7. Medieval India – (A) The Cholas
8. Medieval India- (B) The Delhi Sultanate
9. Medieval India – (C) The Mughal Empire
10. Medieval India – (D) Composite Culture
11. The Modern Age In Europe – (A) Renaissance
12. The Modern Age In Europe – (B) Reformation
13. The Modern Age In Europe – (C) Industrial Revolution

### **CIVICS**

5. The State Legislature

**NOTE: FINAL TERM EXAMINATION WILL INCLUDE THE MT1, HALF YEARLY SYLLABUS AND MT2 SYLLABUS**

## **GEOGRAPHY**

### **FRANK MODERN CERTIFICATE GEOGRAPHY I**

#### **MID TERM 1**

#### **Topic - Our World.**

**Chapter 1-** Earth As A planet.

**Chapter 2-** Geographical Grid -Latitudes and Longitudes

**Chapter 3-** Rotation and Revolution

**Project-** Water Pollution Case study: GANGA POLLUTION

#### **HALF YEARLY**

#### **Topic - Our World.**

**Chapter 1-** Earth As A planet.

**Chapter 2-** Geographical Grid -Latitudes and Longitudes

**Chapter 3-** Rotation and Revolution

#### **Topic - Structure of the Earth.**

**Chapter 4-** Structure of the earth

**Chapter 5-** Landforms of the Earth

**Chapter 6 - Materials of the Earth's Crust-Rocks**

**Chapter 7- Volcanoes.**

**Chapter 8- Earthquake**

**Chapter 9- Weathering and Denudation**

**Map: World Map:-** The Oceans, Seas, Gulf,Rivers, Straits, Mountains, Plateaus (scope of syllabus)

## **MID TERM 2**

**Topic - Hydrosphere.**

**Chapter 10- Hydrosphere**

***Project-*** Types of Maps and symbols used in maps (Topographical maps).

**Map: World Map:-** The Oceans, Seas, Gulf,Rivers, Straits, Mountains, Plateaus (scope of syllabus)

## **FINAL TERM**

**Topic- Atmosphere**

Chapter 11- The Atmosphere

Chapter 12- Insolation

Chapter 13- Atmospheric Pressure and Winds

Chapter 14- Humidity and Precipitation.

**Topic - Pollution**

Chapter 15- Types of Pollution.

**Chapter16- Sources of Pollution**

**Chapter17 - Effects of Pollution**

**Topic- Natural Regions of the World**

**Chapter18 - Natural Regions of the World**

**Map: World Map:-** The major Natural Regions of the world and first term included (scope of syllabus)

***Note: HY syllabus is also included in FINAL TERM***

## **ECONOMICS**

**L.C.S.E. ECONOMICS FOR CLASS IX BY J.P. GOEL & KAUSHAL GOEL**

### **MID TERM 1**

Chapter 1: Introduction to Economics

Chapter 2: Basic Economic Entities in an Economy

Chapter 3: Basic Concepts of Economics

### **HALF YEARLY**

1 Chapter 1: Introduction to Economics

2 Chapter 2: Basic Economic Entities in an Economy

3 Chapter 3: Basic Concepts of Economics

4 Chapter 4: Types of Economies

5 Chapter 5: Basic Problems of an Economy

6 Chapter 6: Main Sectors of the Indian Economy

7 Chapter 7: Primary Sector: Agriculture

8 Chapter 8: Secondary Sector: Industry

### **MID TERM 2**

Chapter 7: Primary Sector: Agriculture

Chapter 8: Secondary Sector: Industry

Chapter 9: Tertiary Sector

**FINAL TERM**

1 Chapter 9: Tertiary Sector

2 Chapter 10: Poverty in India

3 Chapter 11: Problem of Unemployment in India

4 Chapter 12: LPG Model

Note: **Final term examinations will include all chapters from Half-Yearly Examination.**

**COMMERCIAL APPLICATIONS**

**ICSE COMMERCIAL APPLICATION FOR CLASS IX BY C.B.GUPTA GOYAL BROTHERS**

**MID TERM 1.**

Chapter 1- Introduction to Commercial Applications

Chapter 2- Sole Proprietorship and Joint Hindu Family Business

Chapter 3- Partnership

Chapter 4- Joint Stock Company

**HALF YEARLY**

Chapter 1- Introduction to Commercial Applications

Chapter 2- Sole Proprietorship and Joint Hindu Family Business

Chapter 3- Partnership

Chapter 4- Joint Stock Company

Chapter 5- Cooperative Society

Chapter 6- Public Sector Enterprises

Chapter 7- Functioning of a Commercial Organisation

Chapter 13- Natural Resources

Chapter 14- Depletion of Resources

**MID TERM 2**

Chapter 7- Functioning of a Commercial Organisation.

Chapter 8 – Business Communication

Chapter 9 – Ways of Communication

Chapter 10 – Tools used in Communication Process

Chapter 11- Nature and Terminology of Accounting

Chapter 12- Accounting Records

### **FINAL TERM**

Chapter 11- Nature and Terminology of Accounting

Chapter 12- Accounting Records

Chapter 15- Practice of Conservation of Resources

Chapter 16- Industrial Pollution and Degradation of Environment.

**Note:- Final Term Assessment 2026 will include All Chapters as per the scope of syllabus of ICSE 2027**

### **COMPUTER APPLICATIONS**

#### **UNDERSTANDING COMPUTER APPLICATIONS WITH BLUEJ-CLASS IX- VK PANDEY, DK DEY**

#### **MID TERM 1**

1. Introduction to Object Oriented Programming concepts
2. Elementary Concept of Objects and Classes
3. Values and data types
4. Operators in Java
5. Input in Java - numeric data types only
6. Mathematical Library Methods – pow(), sqrt(), cbrt(), abs() only

#### **HALF YEARLY**

1. Introduction to Object Oriented Programming concepts
2. Elementary Concept of Objects and Classes
3. Values and data types
4. Operators in Java
5. Input in Java
6. Mathematical Library Methods
7. Conditional constructs in Java

#### **MID TERM 2**

1<sup>ST</sup> Term Syllabus and Chapter 8 and Chapter 10

## **FINAL TERM**

8. Iterative constructs in Java
9. Nested for loop
10. Computing and Ethics

Full Syllabus of Half Yearly is included in the Final Term

## **HINDI**

### **SAHITYA SAGAR - EVERGREEN** **SARAS HINDI VYAKARAN - EVERGREEN**

## **MID TERM 1**

### **Literature**

Ch:1Baat Athanni ki

### **Grammar**

- 1.Letter(Informal informal letter-120 words)
- 2.Abstract noun

## **HALF YEARLY**

### **Section:A (Language40marks)**

Essay(250words) 15marks  
Letter-120 words (Formal & informal) 7marks  
Comprehension. 10marks  
Grammar(As per ICSE syllabus)8marks  
Abstract noun.  
Adjective  
Synonyms.  
Opposite.  
Ashudh shabd.  
Idioms.  
One word for many.  
Do as directed

### **Section:B(Literature 40 marks)**

Sahitya sagar:  
Short stories:  
Ch:1Baat athanni ki  
Ch:2Kaki  
Ch:3Mahayagy ka puraskaar  
Ch:4Netaji ka chashmaa  
Poem:  
Ch:1Sakhi  
Ch:2Girdhar ki kundaliyan  
Ch:3Swarg bana sakte hain"

## **MID TERM 2**

### **Literature**

Ch.5.Apna Apna Bhagya  
Ch.4. Wah Janm Bhumi Meri

**Grammar -** Esaay(250 words)

## **FINAL TERM**

### **Section:A (Language 40 marks)**

Essay(250words).15marks

Letter(Formal & informal).7marks

Comprehension.10marks

Grammar(As per ICSE syllabus) 8marks

Abstract noun.

Adjective

Synonyms.

Opposite.

Ashudh shabd.

Idioms.

One word for many.

Do as directed

### **Section:B(Literature 40 marks)**

Sahitya sagar

Short story (Questions will come from ch.1 to ch.7)

Ch.5.Apna Apna Bhagya

Ch.6:Bade ghar ki beti

Ch.7.Sandeh

Poem: (Questions will come from ch.1 to ch.6)

4.Wah janm bhumi meri

5.Megh aaye

6.Sur ke pad

(Syllabus First Term is included in the Second Term)

## **BENGALI**

### **Books**

1. Sankolita

2. Chader Pahar

3. Grammar

### **MID TERM 1**

- Sankalita- Lalu
- Chander pahar -first chapter
- Grammar -vakya Parivartan and one word.

### **HALF YEARLY**

- Sankalita-Lalu,Ginni ,Canvasser
- Chander pahar chapter 1 to chapter 4
- Grammar-comprehension ,essay ,letter(formal and informal letter),spelling, vakya and vaccho poriborton ,Bagdhara,one word, sadhu cholit.

### **MID TERM 2**

- Sankalita- Nam
- Chander pahar- chapter 5
- Grammar-Spelling, uposhwargo ,Sadhu cholit.

## **FINAL TERM**

- Sankalita-Nam,Bama.
- Chader Pahar- chapter 5 to Chapter 7
- Grammar- comprehension, essay, letter( Formal & Informal), spelling, one word ,Sadhu cholit, Baghdhara ,Vakya and Bachya Parivartan, uposwargo,prattoy.
- \*\*\*\* Included half yearly syllabus.