Syllabus - Chemistry
Class-IX
2025-26.

1st TERM

1. Language of Chemistry
2. Study of Gas Law
3. Atomic Structure and Chemical Bonding
4. The Periodic Table

HALF YEARLY

1. Chemical Changes & Reactions
2. Water
3. Language of Chemistry
4. Study of Gas Laws
5. Atomic Structure and Chemical Bonding
6. The Periodic Table

FINAL EXAMINATION

1. Study of First Element – Hydrogen
2. Atmospheric Pollution
3. Practical Chemistry

- **Including all 1st Term & Half Yearly examination Syllabus**

Syllabus - Chemistry
Class-X

2025-26.

QUARTERLY EXAM

1. Periodic properties and variations of properties
2. Chemical bonding.
3. Mole concept and stoichiometry
4. Study of acid, bases and salts
5. Analytical chemistry
6. Hydrogen chloride

HALF YEARLY EXAM

1. Electrolysis
2. Nitric acid
3. Sulphuric acid
4. Metallurgy
5. Organic chemistry
6. Ammonia
7. Practical Chemistry
8. All above chapters

Syllabus - Chemistry
Class-XI
2025-26.

1st TERM:

1. Redox Reaction
2. Some basic concepts of chemistry
3. Classification of elements and Periodicity in Properties
4. IUPAC [aliphatic hydrocarbons)
5. Structure of atom

2nd TERM:

1. Organic Chemistry
2. Hydrocarbons and including 1st Term syllabus

FINAL EXAMINATION:

1. Equilibrium
2. Chemical Bonding and molecular structure and including 1st term and 2nd term syllabus
3. Thermodynamics

ST FRANCIS' COLLEGE
COMPUTER APPLICATION
CLASS 9 SYLLABUS
2025-2026

FIRST TERM

1 Introduction to Object Oriented Programming concepts

(i) Principles of Object Oriented Programming, (Difference between Procedure Oriented and Object oriented). All the four principles of Object Oriented Programming should be defined and explained using real life examples (Data abstraction, Inheritance, Polymorphism, Encapsulation).

(ii) Introduction to JAVA - Types of java programs – Applets and Applications, Java Compilation process, Java Source code, Byte code, Object code, Java Virtual Machine (JVM), Features of JAVA. Definition of Java applets and Java applications with examples, steps involved in compilation process, definitions of source code, byte code, object code, JVM, features of JAVA - Simple, Robust, secured, object oriented, platform independent, etc.

2. Elementary Concept of Objects and Classes

Modelling entities and their behaviour by objects, a class as a specification for objects and as an object factory, computation as message passing/method calls between objects (many examples should be done to illustrate this). Objects encapsulate state (attributes) and have behaviour (methods). Class as a user defined data type.

A class may be regarded as a blueprint to create objects. It may be viewed as a factory that produces similar objects. A class may also be considered as a new data type created by the user, that has its own functionality.

3. Values and data types

Character set, ASCII code, Unicode, Escape sequences, Tokens, Constants and Variables, Data types, type conversions. Escape sequences [\n, \t, \\, \", \'], Tokens and its types [keywords, identifiers, literals, punctuators, operators], primitive types and non-primitive types with examples, Introduce the primitive types with size in bits and bytes, Implicit type conversion and Explicit type conversion.

4. Operators in Java

Forms of operators, Types of operators, Counters, Accumulators, Hierarchy of operators, 'new' operator, dot (.) operator.

Forms of operators (Unary, Binary, Ternary), types of operators (Arithmetic, Relational, Logical, Assignment, Increment, Decrement, Short hand operators), Discuss precedence and associativity of operators, prefix and postfix, Creation of dynamic 158 memory by using new operator, invoking members of class using dot operator, Introduce System.out.println( ) and System.out.print( ) for simple output. (Bitwise and shift operators are not included).

5. Input in Java

Initialization, Parameter, introduction to packages, Input streams (Scanner Class), types of errors, types of comments Initialization – Data before execution, Parameters – at the time of execution, input stream –

data entry during execution – using methods of Scanner class [nextShort(), nextInt( ), nextLong( ), nextFloat ( ), nextDouble( ), next( ), nextLine( ), next ( ) .charAt(0)] Discuss different types of errors occurring during execution and compilation of the program (syntax errors, runtime errors and logical errors).Single line comment (//) and multiline comment (/* … */)

7. Conditional constructs in Java

Application of if, if else, if else if ladder, switch-case, default, break. if, if else, if else if, Nested if, switch case, break statement, fall through condition in switch case, Menu driven programs, System.exit(0) - to terminate the program.

HALF YEARLY
[Complete syllabus of first term is included]

6. Mathematical Library Methods

Introduction to package java.lang [default], methods of Math class. pow(x,y), sqrt(x), cbrt(x), ceil(x), floor(x), round (x), abs(a), max(a, b), min(a,b), random( ). Java expressions – using all the operators and methods of Math class.

8. Iterative constructs in Java

Definition, Types of looping statements, entry controlled loops [for, while], exit controlled loop [do while] , variations in looping statements, and Jump statements. Syntax of entry and exit controlled loops, break and continue, Simple programs illustrating all three loops, inter conversion from for – while – do while, finite and infinite, delay, multiple counter variables (initializations and updations). Demonstrate break and continue statements with the help of loops. Loops are fundamental to computation and their need should be shown by examples.

FINAL TERM

[Complete syllabus of first term and half yearly is included]

9. Nested for loops

Introduce nested loops through some simple examples. Demonstrate break and continue statements with the help of nested loops. Programs based on nested loops [rectangular, triangular [right angled triangle only] patterns], series involving single variable. (Nested while and nested do while are not included.)

10. Computing and Ethics

Ethical Issues in Computing. Intellectual property rights; protection of individual's right to privacy; data protection on the internet; protection against Spam; software piracy, cybercrime, hacking, protection against malicious intent and malicious code. The stress should be on good etiquette and ethical practices.

9 - A **9 - B**

9 - C **9 - D**

CHAPTER WISE MARKS DISTRIBUTION

CLASS 9

FIRST TERM EXAMINATION	
From Textbook	
Chapter 1: Introduction to Object Oriented Programming	**(10 Marks)**
Chapter 2: Elementary Concepts of Objects and Classes	**(6 Marks)**
Chapter 3: Values and Data Types	**(6 Marks)**
Chapter 4: Operators in Java	**(6 Marks)**
Chapter 5: Input in Java	**(6 Marks)**
Chapter 7: Conditional Construct in Java (Theory)	**(6 Marks)**
Java Programming	**(60 Marks)**
Total	**(100 Marks)**

HALF YEARLY EXAMINATION	
From Textbook	
[Complete Syllabus of First Term]	**(24 Marks)**
Chapter 6: Mathematical Library Functions	**(8 Marks)**
Chapter 8: Iterative Construct in Java	**(8 Marks)**
Java Programming	**(60 Marks)**
Total	**(100 Marks)**

FINAL EXAMINATION	
From Textbook	
[Complete Syllabus of First Term & Second Term]	**(24 Marks)**
Chapter 9: Nested For Loop	**(8 Marks)**
Chapter 10: Computing Ethics	**(8 Marks)**
Java Programming	**(60 Marks)**
Total	**(100 Marks)**

BLUE PRINT OF THE QUESTION PAPER
COMPUTER APPLICATION
CLASS 6

(First Term, Half yearly and Final examination) **M.M. 100**

TYPES OF QUESTIONS		NUMBER OF QUESTIONS	MAXIMUM TIME REQUIRED
SECTION A (MM 50 marks)			
QUESTION 1 MULTIPLE CHOICE QUESTIONS		**20** **(20 MARKS)**	**20 MINUTES**
QUESTION 2	**No. of Questions**	**10** **(20 MARKS)**	**20 MINUTES**
i. SHORT QUESTION ANSWERS	**5**		
ii. GIVE A DIFFEERENCE	**3**		
iii. OUTPUT QUESTIONS	**2**		
SECTION B (ATTEMPT ANY FOUR)			
QUESTION 9 a. PROGRAMMING IN JAVA b. PROGRAMMING IN JAVA c. PROGRAMMING IN JAVA d. PROGRAMMING IN JAVA e. PROGRAMMING IN JAVA f. PROGRAMMING IN JAVA		**(TOTAL MARKS 60)** **(ATTEMPT ANY FOUR SUBPART)**	**1 HOUR AND 15 MINUTES**

TOTAL TIME REQUIRED: 1 HOUR 55 MINUTES

Mr. Vishal Rastogi

ENGLISH LANGUAGE SYLLABUS
CLASS: X
2025-26

TERM I (APRIL -JULY)

Q1. Composition Writing (300-350 words) on any **one** topic
(i)Descriptive
(ii)Narrative
(iii)Original Story Writing
(iv)Argumentative
(v)Picture Composition

Q2. Letter Writing
(Select any one of the following)
(i)Informal
(ii)Formal

Q3. (a) Notice Writing
(b)Email writing

Q4. Comprehension Passage
(i)Vocabulary (For each word given below choose the correct meaning as used in the passage, from the options provided)

(ii)Answer the following questions briefly.

(iii)Precis Writing (In not more than 50 words answer the question)

Q5. Functional Grammar, Structure and Use of Language

(i)Fill in each of the numbered blanks with the correct form of the word given in the brackets. Do not copy the passage but write in correct serial order the word or phrase appropriate to the blank space.

(ii) Fill in the blanks with the appropriate words.

(iii)Choose the correct option to make one complete sentence **without using and, but or so.**

(iv)Choose the correct option and rewrite the sentence according to the instruction given after each.

TERM II (AUGUST- OCTOBER)
Same pattern will be followed as Term I

TERM III (NOVEMBER 2025-February 2026)
Same pattern will be followed as Term I

NOTE-Practice Papers 1-15 will be done from Term I to Term III.

Teachers' Signature **Principal's Signature**

Class IX A
Class IX B
Class IX C
Class IX D

ENGLISH LITERATURE SYLLABUS
CLASS -IX

2025-26

TERM -I (April – July 2025)

DRAMA-JULIUS CAESAR-ICSE Shakespeare Series (Xavier Pinto)

ACT-I, Scenes 1 & 2

TREASURE CHEST -A Collection of ICSE Poems and Short Stories

POEMS

1.The Night Mail- W.H. Auden

2.I Remember, I Remember -Thomas Hood

SHORT STORIES

1.Oliver Asks for More -Charles Dickens

2. Bonku Babu's Friend- Satyajit Ray.

TERM -II (August – October 2025)

DRAMA-JULIUS CAESAR-ICSE Shakespeare Series (Xavier Pinto)

ACT I Scene 3 &

ACT-II Scene 1

TREASURE CHEST -A Collection of ICSE Poems and Short Stories

POEMS

1.A Work of Artifice- Marge Piercy

2.A Doctor's Journal Entry for August 6,1945-Vikram Seth

SHORT STORIES

1.The Model Millionaire – Oscar Wilde

TERM -III (November 2025- February 2026)

DRAMA-JULIUS CAESAR-ICSE Shakespeare Series (Xavier Pinto)

ACT- II Scenes 2,3&4

TREASURE CHEST -A Collection of ICSE Poems and Short Stories

POEMS

1.Skimbleshanks: The Railway Cat

SHORT STORIES

1.The Home-coming- Rabindranath Tagore

2.The Boy who broke the bank. -Ruskin Bond

Teacher's Signature **Principal's Signature**

1.CLASS: IX-A

2.CLASS: IX-B

3.CLASS: IX-C

4.CLASS: IX-D

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SYLLABUS FOR THE YEAR- 2025-26

CLASS: IX

GEOGRAPHY

FIRST TERM EXAMINATION

1.Chapter 1:Earth as a Planet

2.Chapter 3:Rotation and Revolution

3.Chapter 4: Earth's Structure

4.Chapter 5: Landforms of the Earth

5.Chapter 7: Volcanoes

6.Chapter 13: Insolation

7.Chapter 16: Pollution

8.Chapter 20:Natural Regions of the World. (Equatorial and Desert Region)

MAP WORK OF THE WORLD

1.Rivers

2.Water Bodies

3.Plateaus

4.Natural Region : Hot Deserts and Hot Wet Equatorial Region

SURVEY MAP

1.Colours and its significance

2.4 Figure Grid Reference

3.Man - made and Natural features.

4.Types of Drainage pattern

HALF YEARLY EXAMINATION

1.Chapter 2: Geographic Grid - Latitudes and Longitudes

2.Chapter 8: Earthquakes

3.Chapter 12: Composition and Structure of the Atmosphere

4.Chapter 17: Sources of Pollution

5.Chapter 19: Preventive Measures

MAP WORK OF THE WORLD

1.Ranges

2.Rivers

3.Water Bodies

4.Plateaus

5.Equatorial and Desert Region.

SURVEY MAP

1.Types of Scales

2.Types of Settlement Pattern

(Inclusive of whatever taught in the First Term)

FINAL TERM EXAMINATION

1.Chapter 9: Weathering

2.Chapter 10: Denudation

3.Chapter 11: Hydrosphere

4.Chapter 15:Humidity.

(Inclusive of the map work, Survey map and the Chapters taught in the First Term and Half Yearly)

SYLLABUS FOR THE SESSION 2025 - 26

CLASS : IX

SUBJECT : HINDI

SECTION 'A' - LANGUAGE [40 MARKS]

1. प्रस्ताव लेखन - वर्णनात्मक, विचारात्मक , कल्पनात्मक, तर्कात्मक, उपदेशात्मक एवं अनुभवात्मक विषयों पर प्रस्ताव लेखन।

   कहानी लेखन - लोकोक्ति एवं मुहावरों पर आधारित कहानी लेखन /दिए गए वाक्य से आरंभ या अंत करते हुए विचारों की अभिव्यक्ति।

   चित्र अध्ययन - दिए गए चित्र के आधार पर लेख ,घटना या विचारों की अभिव्यक्ति।
2. पत्र लेखन – औपचारिक एवं अनौपचारिक पत्र लेखन ।
3. अपठित गद्यांश – अर्थ भाव ग्रहण ..... प्रश्नोत्तर।
4. व्यावहारिक व्याकरण – शब्द विवेक- विलोम , पर्यायवाची ,विशेषण ,भाववाचक संज्ञा , वाक्यांश ,तत्सम - तद्भव , शब्द- युग्म का अर्थ भेद ,वर्तनी शोधन, वाक्य शोधन ,मुहावरों के अर्थ , वाक्य विचार

   (अर्थ , रचना , काल , सर्वनाम ,कारक ,वाच्य , वाक्य पद के आधार पर निर्देशानुसार वाक्य रूपांतर ।)

SECTION ' B' LITERATURE [40 MARKS]

QUARTERLY EXAM (FIRST TERM) — 80 marks

1. बात अठन्नी की – सुदर्शन
2. साखी – कबीर दास
3. काकी – सियाराम शरण
4. गिरधर की कुंडलियां – गिरिधर कविराय

HALF YEARLY EXAM (SECOND TERM) — 80 marks

1. महायज्ञ का पुरस्कार – यशपाल
2. नेताजी का चश्मा – स्वयंप्रकाश
3. स्वर्ग बना सकते हैं – रामधारी सिंह दिनकर
4. वह जन्मभूमि मेरी – सोहनलाल द्विवेदी

[First term syllabus will be included in the second term exam]

FINAL EXAM (3RD TERM) — 80 marks

1. अपना अपना भाग्य – जैनेंद्र कुमार
2. बड़े घर की बेटी – प्रेमचंद
3. मेघ आए – सर्वेश्वर दयाल सक्सेना
4. सूर के पद – कवि सूरदास

[Entire syllabus will come in the final exam]

Class 9A Leena Kaur

Class 9B Alice Dayal

Class 9c Leena

Class 9D Leena Kaur

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SYLLABUS (2025 – 2026)
CLASS IX
BIOLOGY

FIRST TERM:

1. Cell: The Unit of Life
2. Tissues: Plant and Animal Tissues
3. The Flower
4. Pollination and Fertilization
5. Seeds: Structure and Germination
6. Respiration in Plants
7. Health Organisations

SECOND TERM:

1. Nutrition
2. Digestive System
3. Skeleton – Movement and Locomotion
4. Skin – "The Jack of All Trades"
5. The Respiratory System

THIRD TERM:

1. Economic Importance of Bacteria and Fungi
2. Hygiene – [A Key to Healthy Life]
3. Diseases: Cause and Control
4. Aids to Health
5. Five – Kingdom Classification
6. Waste Generation and Management

Note:

- The second-term syllabus shall include the topics covered in the first term.
- The Final Term will encompass the entire syllabus from the First, Second, and Third terms.

IX A –

IX B –

IX C –

IX D –

MATHEMATICS SYLLABUS (2025-26)

CLASS 9

QUARTERLY EXAMS

1)Trigonometrical Ratio
2)Coordinates and solution of simultaneous linear equations graphically and distance formula
3)Compound interest
4)Rational and irrational numbers
5)Expansions
6)Factorization
7)Simultaneous linear equations in two variables

HALF YEARLY EXAMS

1) Triangles
2) Midpoint and intercept theorem
3)Pythagoras Theorem
4)Indices
5)Logarithms
6)Circle
7)Rectilinear figures
8)All chapters of quarterly exams to be included

FINAL EXAMS

1)Area theorems
2) Area of plane figures
3)Circumference and area of a circle
4) Surface area and volume of 3D solids
5)Introduction, Data and frequency polygon
6)Mean, median and frequency polygons
7)All chapters of quarterly and half yearly exams to be included

9A

9B

9C

9D

05/04/2025

CLASS IX

PHYSICS SYLLABUS

SESSION 2025-26

TERM 1:

CHAPTER 1: Measurements and Experimentation

CHAPTER 2: Motion in one Dimension

CHAPTER 3: Laws of Motion

CHAPTER 4: Pressure in Fluids

CHAPTER 5: Upthrust and Archimedes' Principle

TERM 2

CHAPTER 6: Heat and Energy

CHAPTER 7: Energy Flow and Practices for Conservation of Resources

CHAPTER 8: Light

All the chapters of Term 1

FINALS

Whole Syllabus as per Boards

SYLLABUS FOR THE YEAR 2025-26
HISTORY AND CIVICS
CLASS IX

TERM - I
April-July

History:

1. The Harappan Civilization
2. The Vedic Period
3. Jainism and Buddhism
4. The Mauryan Empire
5. The Sangam Age

Civics:

1. Our Constitution
2. Salient features of the Constitution -I

TERM – II
HALF YEARLY EXAMINATION
August -October

History:

6. The Age of the Guptas
7. The Medieval India – (A) The Cholas
8. The Medieval India – (B) The Delhi Sultanate
9. The Medieval India – (C) The Mughal Empire

Civics:

3. Salient Features of the Constitution - II
4. Elections

TERM – III
FINAL EXAMINATION
November -February

History:

10. The 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: 1. TERM-I syllabus will be included in the Half-Yearly Examination

2. Entire Syllabus of TERM-I + Half Yearly will be included for the Final Examination.

TEACHER'S SIGNATURE:

CLASS IX-A

CLASS IX-B

CLASS IX-C

CLASS IX-D