

CLASS IX SYLLABUS(2019-20)

ENGLISH LANGUAGE

First term

- 1) Types of Sentences
(i) Affirmative and Negative Sentences (ii) Exclamatory and Interrogative Sentences
- 2) Rewriting Of Sentences
- 3) Correct Form of the Tense
- 4) Prepositions
- 5) Letter Writing (Formal and Informal)
- 6) Composition (350-400 Words)
- 7) Notice Writing
- 8) E-Mail
- 9) Comprehension (Written/Oral)
- 10) Joining Of Sentences (Without Using and, But or So)

Second Term

- 1) Substitution of One Part Of Speech with Another
- 2) Joining Of Sentences (Without Using and, but or so)
- 3) Rewriting Of Sentences
- 4) Correct Form of the Tense
- 5) Prepositions
- 6) Letter Writing (Formal and Informal)
- 7) Composition (350-400 Words)
- 8) Comprehension (Written/Oral)
- 9) Notice Writing
- 10) E-Mail

Third term

- 1) Question Tags
- 2) Homophones/Homonyms
- 3) Differentiation between Two Sentences
- 4) Joining Of Sentences (Without Using and, but or so)

- 5) Rewriting Of Sentences
- 6) Correct Form of the Tense
- 7) Prepositions
- 8) Letter Writing (Formal and Informal)
- 9) Composition (350-400 Words)
- 10) Comprehension (Written/Oral)
- 11) Notice Writing
- 12) E-Mail

LITERATURE

First term

Drama: The Merchant of Venice (Shakespeare's unabridged play by A.W. Verity) ACT 1 – SCENES 1, 2, 3

Poetry: Treasure trove- a collection of ICSE poems and short stories (evergreen publications (India) Ltd. New Delhi) 1. Television- Roald Dahl 2. Daffodils – William Wordsworth

Prose- Treasure trove- a collection of ICSE poems and short stories (evergreen publications (India) Ltd. New Delhi) 1. A face in the dark –Ruskin bond 2. Angel in disguise- T.S. Arthur

Second term

Drama: The Merchant of Venice: ACT 2– SCENES 1 to 9

Poetry: 1. Bangle seller – Sarojini Naidu 2. After Blenheim- Robert Southey

Prose: 1. Hearts and hands- O' henry 2. A horse and two goats- R.K. Narayan

Third term:

Drama- The Merchant of Venice: Act 3- scene 1 and 2

Poetry- 1. Heart of a tree- Henry Cuyler Burner 2. The cold within- James Patrick Kinney

Prose- 1. Chief Seattle's speech 2. The old man at the bridge- Earnest Hemmingway

HINDI

Books

- साहित्य सागर
- एकांकी संचय
- सरस हिन्द व्याकरण

Format

निबंध – 15 अंक

पत्र -7 अंक

अपठन गद्यांश -10 अंक

व्याकरण -8 अंक(As per the ICSE Syllabus)

व्याकरण-

- बिलोम सब्द
- पर्यावाची सब्द
- अनेक सब्दो के लिए एक सब्द
- भाववाचक संज्ञा
- विशेषण
- तत्सम तटवाव
- मुहावरे
- लिंग परिवर्तन
- वचन
- निर्देश अनुसार वाकया परिवर्तन
- शुद्ध करो

First term

साहित्य सागर

- बात अठन्नी की
- काकी

एकांकी संचय

- संस्कार और भावना

Second term

साहित्य सागर

- महायज्ञ का पुरस्कार
- नेताजी का चश्मा

एकांकी संचय

- बहु की विदा

First term syllabus included

Final term

साहित्य सागर

- अपना अपना भाग्य
- बड़े घर की बेटी

एकांकी संचय

- मातृभूमि का मान

First and second term included

BENGALI

TERM I

চাঁদের পাহাড় - (১-৩ অধ্যায়)

সংকলিতা- গিনি, বামা, লালু

ব্যাকরণ-বাগধারা(দহরম মহরম- বাস্তুঘুঘু)revision of class 7 and 8 first term, এক কথায় প্রকাশ(পেনো-শ্রৈণ),বাক্য পরিবর্তন(অর্থগত, গঠনগত),বাচ পরিবর্তন,পূর্বপাঠ সমস্ত ব্যাকরণ, চিঠি, ধারণা, রচনা

TERM II

চাঁদের পাহাড় - (৪ -৬ অধ্যায়)

সংকলিতা- ক্যানভাসার, নাম

ব্যাকরণ-বাগধারা(বড়মাছের কাঁটাও ভালো- ষাঁড়ের গোবর)revision of class 7 and 8 second term,এক কথায় প্রকাশ(যাযাবর-শ্রীল), revision of class 7 and 8 second term, ছেদ যতি চিহ্নের ব্যবহার, চিঠি, ধারণা, রচনা

TERM III

চাঁদের পাহাড় - (৭ - ৯ অধ্যায়)

সংকলিতা-অসহোযোগী, দেবতার জন্ম

ব্যাকরণ-বাগধারা(সর্ষে ফুল- হিতে বিপরীত), এক কথায় প্রকাশ(মানি- শুচিস্মিতা)চিঠি, ধারণা, রচনা, পূর্বপাঠ
সমস্ত ব্যাকরণ, revision of class 7,8 and 9

Format Language-[Essay-15, Letter-7, Comprehension-10, Grammar-8, (Total 40)]

Literature- Attempt 4 Questions, Choosing At Least One Question From Each Of The Prescribed Books
(4x10=40)

HISTORY & CIVICS

First term

CIVICS:

- 1) Our Constitution
- 2) Elections

HISTORY:

- 1) The Harappan Civilization
- 2) Vedic Period
- 3) Jainism and Buddhism
- 4) The Mauryan Empire
- 5) Renaissance

Second term

CIVICS:

- 1) Local Self Government (Rural & Urban)

HISTORY:

- 1) Sangam Age
- 2) Age of the Guptas
- 3) Medieval India (The Cholas)
- 4) Reformation

Third term

CIVICS:

- 1) Revision of First and Second Term

HISTORY:

- 1) Medieval India
- 2) Delhi Sultanate
- 3) Mughal Empire
- 4) Composite Culture
- 5) Industrial Revolution

Revision of 1st and 2nd Term

GEOGRAPHY

First term

1. Earth As A Planet
2. Latitude and Longitude
3. Rotation and Revolution
4. Landforms of the Earth
5. Rocks
6. Volcanoes
7. Earthquakes
8. Pollution
9. map- world map

Second term

1. Weathering
2. Denudation
3. Hydrosphere
4. Insolation
5. Earth's structure
6. Composition and structure of Atmosphere
7. Sources of pollution
8. Effects of pollution
9. First term revision chapters
10. map- world map

Third term

1. Atmospheric Pressure and Winds

2. Humidity
3. Preventive measures
4. Natural Regions of the World
5. First and second term revision chapters
6. Map- World Map

MATHEMATICS

FIRST TERM

ARITHMETIC:

- 1) Rational and Irrational Numbers-Chapter 1
- 2) Trigonometrical Ratios– Chapter 22
- 3) Mensuration-Perimeter and Area of Plane Figures Including Circles Chapter 20
- 4) Compound Interest (Without Formula)-Chapter 2

GEOMETRY:

- 1) triangles- ch-9
- 2) Isosceles triangles- chapter 10
- 3) Mid-Point & Intercept Theorem & Problems- Chapter 12
- 4) Constructions of Quadrilaterals-Chapter 15

ALGEBRA:

- 1) Expansions -Chapter 4
- 2) Factorization -Chapter 5
- 3) Simultaneous Equations and Problems -Chapter 6
- 4) Indices -Chapter 7
- 5) Logarithms -Chapter 8

STATISTICS: Histogram & Frequency Polygon-Chapter 18

SECOND TERM

ARITHMETIC:

- 1) Compound Interest (With Formula) -Chapter 3
- 2) Trigonometry- Ratio of Standard Angles-Chapter 23

3) Solids- Cubes, Cuboids and Cross Section Problems -Chapter 21

ALGEBRA:

1) Coordinate geometry-Chapter 26

GEOMETRY:

1) Rectilinear figures- chapter 14

2) Areas of Triangles and Parallelograms -Chapter 16

3) Inequalities -Chapter 11

4) Pythagoras Theorem-Chapter 13

Unit II Examination Includes Unit I Syllabus

Third term

ARITHMETIC:

1) Trigonometry Solution Of Right Angle Triangles -Chapter 24

2) Complementary angles – Chapter 25

COORDINATE:

1) Distance Formula -Chapter 28

2) Graphical solutions- chapter 27

GEOMETRY:

1) Circle -Chapter 17

STATISTICS:

1) Mean, Median, Mode- Chapter 19

Annual Exam Includes Unit I, Unit II and Unit III Syllabus

Format for Question Paper:

Full Marks: 80

Section A – 40 Marks (4 X 10) Compulsary

Section B - 40 Marks - (4 X 10) - Answer 4 Questions Out Of 6

PHYSICS

First term

1) Motion in one dimension

2) Laws of Motion

- 3) Pressure in Fluids and atmospheric pressure
- 4) Reflection of light
- 5) Propagation of sound waves

Second term

- 1) Force
- 2) Work, energy and power
- 3) Magnetism
- 4) Current electricity
- 5) Motion in one dimension
- 6) Laws of motion

Third term

- 1) Up thrust in Fluids, Archimedes' principle and Flotation
- 2) Measurements and experimentations
- 3) Motion in one dimension
- 4) Laws of Motion
- 5) Pressure in Fluids and atmospheric pressure
- 6) Heat and energy
- 7) Reflection of light
- 8) Propagation of sound waves
- 9) Current electricity
- 10) Magnetism

CHEMISTRY

First term

- 1) Periodic Table
- 2) Study of the First Element Hydrogen
- 3) Atomic Structure and Chemical Bonding
- 4) Water
- 5) Chemical Changes and Reactions

6) Language of Chemistry

Practical: Action Of Heat On CuCO_3 , $\text{Cu}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$, $\text{Pb}(\text{NO}_3)_2$, NH_4Cl , I_2

Second term

1. Study of Gas Laws
2. Revision of All Topics from Term-I

Practical: Action of Dilute Sulphuric Acid on S^{2-} , CO_3^{2-} , And Active Metals

Third term

1. Atmospheric Pollution
2. Revision of All Topics from First and Second Terms

Practical: Flame Test on Na^+ , K^+ , Ca^{2+} , Cu^{2+}

BIOLOGY

First term

- 1) Introducing Biology
- 2) Cell
- 3) Tissue
- 4) Respiration in Plants
- 5) The Respiratory System (Animals)
- 6) Movement and Locomotion
- 7) Skin
- 8) Waste Generation and Management

Second term

- 1) Flower
- 2) Pollination and Fertilization
- 3) Seeds- Structure and Germination
- 4) Five Kingdom Classification
- 5) Economic Importance of Bacteria and Fungi

Third term

- 1) Nutrition
- 2) Digestive System

- 3) Hygiene
- 4) Diseases: Causes and Control
- 5) Aid to Health and Health Organization

HOME SCIENCE:

Section A – 40

Section B – 60

Total – 100

First term:

Unit 1 (concept and scope of home science)

1. concept and scope of home science

Unit 2 (food and health)

1. Food and health
2. Food preparation (methods of cooking)
3. Nutrients and their importance

Second term

Unit 3 (the family)

1. Family- a unit of family
2. Women and child welfare

Unit 4 (growth and development of children from birth to 5 years)

1. Growth and development of children
2. Role of play and play-school for the young child

Unit 5 (the home and its management)

1. Choosing a home

Third term

Unit 5 (the house and its management)

1. Conservation of gas, electricity and water
2. Waste management In the house and community
3. What are the 5 R's

Unit 6 (selection of clothing)

1. Fabric available in the market
2. Choice of clothing

ECONOMICS

First term

1. Definition of economics
2. Basic terms and concept used in economics
3. Types of economies
4. Problems of an economy
5. Primary sector (agriculture)
6. Food security

Second term

1. Secondary sector (industry)
2. Industrialization
3. Waste management
4. Tertiary sector-services
5. Major reforms and emerging trends in the Indian economy

Third term

Revision of entire syllabus as per ICSE norms

Format of the question paper:

There will be 2 sections (A and B). Section A will be compulsory. It will have 4 questions. Each question will have 5 sub- parts carrying 2 marks. Section B will have 6 questions each question will be divided into 2 parts each carrying 5 marks.

COMMERCIAL APPLICATIONS

First term

- 1) Introduction to Commercial Organizations
- 2) Sole Proprietorship
- 3) Partnership
- 4) Joint stock company
- 5) Nature and Terminology of Accounting
- 6) Natural Resources
- 7) Depletion of Resources

8) Practices for Conservation of Resources

Second term

1) Co-operative Society

2) Public sector enterprises

3) Communication in commercial organization

4) Ways of Communicating

5) Tools of Communication

6) Accounting Records

First term syllabus included

Third term

1) Functioning of commercial organization

2) Industrial pollution and degradation of environment

FULL SYLLABUS AS PER ICSE

COMPUTER-APPLICATIONS Syllabus / Class : IX / Session : 2019 – 2020

TERM- I

Chapter 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 .

Chapter 2 : Elementary Concept of Objects and Classes

Modelling entities and their behavior by objects. A class as a specification for objects and as an Object Factory,

Computation as message passing , Method - Calls between objects (To be done through many examples).

Objects encapsulate state (attributes) and have behavior (methods) Class as a user defined data type.

Chapter 3 : Values and Data Types

Character Sets Unicode ASCII Characters and Codes Escape Sequence Tokens & its Types
Literals

Identifiers Naming & Initializing a Variable Assignment Static & Dynamic Initialization Data
Types

Characters Type Conversions

Chapter 4 : Operators in Java

Expressions Statements Forms of Operators Unary Operators Shorthand Operations Types of
Operators

Output Statements System.out.println() Hierarchy of Operators

Chapter 7 : Conditional Statements in Java

Application of if,if else,if else if ladder

switch-case,default,break , if, if else, if else if, Nested if statement, fall through condition in switch
case

Menu Driven Programs

System.exit(0) - to terminate the program.

Java Program (Section -B) : Assignment , Input through Parameter/ Function Argument &

Stream Classes , Conditional Constructs using if-else & switch-case , Iteration through Loop,
including Nested

Loop(for , while , do while) , Menu-driven programs , Printing Series and pattern , Different Types
of Numbers.

Project Assignment 1 (Based on Term - I Java Programming Syllabus)

TERM- II

Chapter 5: Input in Java

Initialization through Parameter during execution Data before Execution Introduction to Packages

Input Streams [Input during Execution using Scanner Class's Methods like, nextShort() , nextInt(),next(),

nextFloat(), nextLong), nextLine(), next.charAt(0)] Types of Errors , Types of Comments

Chapter 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(x), max(a,b), min(a,b), random().

Java Expressions – using all the operators and methods of Math class

Chapter 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 Inter Conversion from for – while – do while Finite And Infinite, Delay, Multiple Counter

Variables (initialization and updations) Demonstrate break and continue statements with the help of loops .

Chapter 9 : Nested for loops

Introduce Nested Loops through some simple examples.

Demonstration of ***break and continue*** statements with the help of Nested Loops

Class-9 Computer Applications Syllabus (2019-2020) continues to Page 2.....

Page 2 Class-9 Computer Applications Syllabus (2019-2020)

Theory Revision : Chapter 3, 4 & 7 from Term - I

Java Program (Section -B) : Menu-driven programs through Object Creation in main() & Method-call) ,

Function-Overloading , Revision of entire Term - I Java Program Syllabus .

Project Assignment 2 (Based on Term - II Java Programming Syllabus)

TERM- III

Chapter 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

Good etiquette and ethical practices

Theory Revision from Term-I & Term-II : Chapter 2, 4 , 5 , 6 & 8

Java Program (Section -B) : Simple introduction to Character (isLetter(), isUpperCase() , toLowerCase() etc.) &

String class Functions (length(), charAt(), toUpperCase(), equals(), indexOf(), substring(), lastIndexOf()).

Revision from entire Term - I & Term - II Java Program Syllabus .

3. Project Assignment 3 (Based on Term - III Java Programming Syllabus)

Distribution of Marks

1. WRITTEN PAPER (100 MARKS)



Section - A (Compulsory Section 40 Marks)

- a. Objective Questions (One Word, MCQ, Filling in the blank – **1X14= 14 Marks**)
- b. Short Answers (**3 X 3= 9 Marks**)
- c. Calculations , Evaluation , Solution to Expressions according to the rules of the Programming Language (**5 Marks**)
- d. Rewriting expressions / statements as per the Syntax of the Programming Language (**2x2 = 4 Marks**)
- e. Debugging , Finding Output of a given a Code-Snippet (**2X4 = 8 Marks**)

Section - B (Java Program Coding 15 X any 4= 60 marks)

2. PROJECT ASSIGNMENT (100 MARKS)