



SETH ANANDRAM
JAIPURIA SCHOOL

EMPOWER • ENTHUSE • EXCEL

Kanpur

Syllabus of Class

9

Session 2022-23

ENGLISH LANGUAGE

- Period Order I**
1. Letter Writing
 2. Exercises based on Functional Grammar
 3. Notice Writing
 4. Email Writing
- Half Yearly Exam.**
1. Letter Writing
 2. Email/ Notice Writing
 3. Exercises based on Functional Grammar
 4. Composition
 5. Comprehension
- Period Order II**
1. Letter Writing
 2. Email/ Notice Writing
 3. Exercises based on Functional Grammar
 4. Comprehension
- Final Examination**
1. Letter Writing
 2. Email/ Notice Writing
 3. Exercises based on Functional Grammar
 4. Composition
 5. Comprehension
- Recapitulation of the entire syllabus.

Name of the Book -

Total English Class IX

Publication : Morning Star Publication.

ENGLISH LITERATURE

Period Order I

- Merchant of Venice : Act 1, Scene 1, 2
Poetry : Daffodils (William Wordsworth)
Prose : Old Man at the Bridge (Ernest Hemingway)

Half Yearly Examination

- Merchant of Venice : Act 1, Scene 3, Act 2, Scene 1, 2, 3
Poetry : The Cold Within (James Patrick Kinney)
The Bangle Sellers (Sarojini Naidu)

Prose : Hearts and Hands (O. Henry)
A Horse and Two Goats (R.K. Narayan)

Note - Half Yearly Examination Question Paper will cover the syllabus of P. O. 1 and Half Yearly.

Period Order II

Merchant of Venice : Act 2, Scene 4, 5, 6, 7, 8, 9
Poetry : After Blenheim (Robert Southey)
Television (Roald Dahl)
Prose : A Face in the Dark (Ruskin Bond)

Final Examination

Merchant of Venice : Act 3, Scene 1
Poetry : The Heart of the Tree (Henry C Bunner)
Prose : An Angel in Disguise (T.S. Arthur)
Chief Seattle's Speech

Oral and Aural Assessment for Class IX will be taken before the Half Yearly Examination & the Final Examination.

Name of the Books -

1. Merchant of Venice by William Shakespeare - Verity Edition Morning Star Publication.
2. Treasure Trove - A Collection of ICSE Poems & Short Stories - Evergreen Publication Ltd.
3. Workbook on Treasure Trove Volume-1 Poem ICSE - Beeta Publications.
4. Workbook on Treasure Trove Volume-2 Prose ICSE Beeta Publications.
5. Workbook - Merchant of Venice - Beeta Publications.

HINDI

प्रथम सत्र:-

साहित्य सागर (संक्षिप्त कहानियाँ)
गद्य भाग 1. बात अठन्नी की-सुदर्शन
2. काकी-सियारामशरण गुप्त
पद्य भाग 1. साखी-कबीरदास
2. कुंडलियाँ-गिरिधर कविराय
व्याकरण - निबन्ध, पत्र (औपचारिक-अनौपचारिक), अपठित गद्यांश
व्यावहारिक व्याकरण एवं वाक्य-परिवर्तन

अर्द्धवार्षिक सत्र :-

साहित्य सागर (संक्षिप्त कहानियाँ)
गद्य भाग 1. महायज्ञ का पुरस्कार-यशपाल
2. नेता जी का चश्मा-स्वयं प्रकाश
पद्य भाग 1. स्वर्ग बना सकते हैं-रामधारी सिंह 'दिनकर'

2. वह जन्मभूमि मेरी-सोहन लाल द्विवेदी
- व्याकरण - निबन्ध, पत्र (औपचारिक-अनौपचारिक), अपठित गद्यांश
व्यावहारिक व्याकरण, एवं वाक्य-परिवर्तन

नोट-प्रथम सत्र में कराया गया सम्पूर्ण पाठ्यक्रम।

द्वितीय सत्र:-

साहित्य सागर (संक्षिप्त कहानियाँ)
गद्य भाग 1. अपना-अपना भाग्य-जैनेंद्र कुमार
पद्य भाग 1. मेघ आए-सर्वेश्वर दयाल सक्सेना
व्याकरण - निबन्ध, पत्र (औपचारिक-अनौपचारिक), अपठित गद्यांश
व्यावहारिक व्याकरण एवं वाक्य-परिवर्तन

वार्षिक सत्र :-

साहित्य सागर (संक्षिप्त कहानियाँ)
गद्य भाग 1. बड़े घर की बेटी-प्रेमचंद
पद्य भाग 1. सूर के पद-सूरदास
व्याकरण - निबन्ध, पत्र (औपचारिक-अनौपचारिक), अपठित गद्यांश
व्यावहारिक व्याकरण एवं वाक्य-परिवर्तन

नोट-प्रथम सत्र से वार्षिक परीक्षा तक कराया गया सम्पूर्ण पाठ्यक्रम आएगा।

किताबों के नाम -

1. व्याकरण पल्लव-इंटर यूनिवर्सिटी प्रेस लिमिटेड
2. साहित्य सागर-एवर्ग्रीन पब्लिकेशन लिमिटेड
(संक्षिप्त कहानियाँ-गद्य एवं पद्य भाग)

MATHS

Period Order I

1. Expansions
2. Factorisations
3. Simultaneous Linear Equations
4. Problems on Simultaneous Linear Equations
5. Indices
6. Compound Interest (Simple Interest and Formula Methods)
7. Triangles

Half Yearly Exam.

1. Rational and Irrational Numbers
2. Pythagoras Theorem
3. Rectilinear Figures
4. Trigonometrical Ratio
5. Trigonometrical Ratio of Standard Angles

Half Yearly Examination Question Paper will cover the Syllabus of P.O. I and Half Yearly.

- Period Order II**
1. Mid-Point Theorem
 2. Statistics
 3. Mensuration
 4. Coordinate Geometry

- Final Examination**
1. Circles
 2. Logarithms
 3. Theorems on Area

The Final Examination Question Paper will cover the entire syllabus completed during the session.

Name of the Books -

Understanding ICSE Mathematics

Publisher : Avichal Publishing Company,

Author: M L Aggarwal

PHYSICS

- Period Order I**
1. Measurements and experiment
 2. Motion in one-dimension
 3. Laws of motion

- Half Yearly Exam.**
4. Pressure in fluids and atmospheric pressure
 5. Upthrust and Archimedes' principle and floatation
- Syllabus of PO-I is included

- Period Order II**
6. Heat and energy
 7. Reflection of light
 8. Propagation of sound waves

- Final Examination**
9. Current electricity
 10. Magnetism
- PO-1, Half Yearly and PO-2 syllabus is also included

Name of the Book-

Concise Physics - Class 9

Publisher : Selina Publishers

Author : S. P. Tripathi & R. P. Goyal

CHEMISTRY

- Period Order I**
1. Language of Chemistry
 2. Study of Gas Laws
 3. Practical Chemistry (Flame Test only)

- Half Yearly Exam.**
1. The Periodic Table
 2. Atomic Structure and Chemical Bonding
 3. Atmospheric Pollution
 4. Practical Chemistry (Identification of Gases)
 5. Syllabus of P.O.I

- Period Order II**
1. Chemical Changes and Reactions
 2. Water
 3. Practical Chemistry (Effect of Heat on Salts)

- Final Examinations**
1. Study of First Element – Hydrogen
 2. Syllabus of P.O.I, Half Yearly and P.O.II

Note: questions based on symbols and valency will be asked in each set of the exam.

Name of the book:

Concise Chemistry- Class 9

Selina Publishers, Author- S.P.Singh

BIOLOGY

- Period Order I**
1. The Cell
 2. Tissue
 3. Flower
 4. Pollination and Fertilization
 5. Aids to health

- Half Yearly Exam.**
1. Structure and germination of seeds
 2. Health and Hygiene
 3. Respiration in plants
 4. Sources of waste
- + Complete syllabus of P.O:1

- Period Order II**
1. Respiratory system
 2. Economic importance of bacteria and fungi

3. Diversity in living organism
4. Movement and Locomotion
5. Waste Management

- Final Examination**
1. Digestive system
 2. Health Organization
 3. Nutrition
 4. Skin - "The jack of all trades"
 5. Nutrition in animals + Complete syllabus of P.O.I, Half Yearly, P.O.II.

Name of the Book:

Candid ICSE Class – 9 Biology
 Publisher: Evergreen Publication

HISTORY AND CIVICS

- Period Order I**
1. Our Constitution.
 2. Elections.
 3. The Harappa Civilisation
 4. The Vedic Period
 5. Jainism and Buddhism.

- Half Yearly Exam.**
1. The Mauryan Empire
 2. The Sangam Age
 3. The Age of Guptas
 4. The Cholas

Note - P.O. I Syllabus will be covered

- Period Order II**
1. Delhi Sultanate
 2. The Mughal Rule
 3. Composite Culture

- Final Examination**
1. The Renaissances
 2. Reformation
 3. Industrial Revolution

Note – Entire syllabus will be covered (P.O.I + Half Yearly + P.O.II + Finals)

Name of the Book -

Indian History World Developments and Civics.
 Avichal Publishing Company

GEOGRAPHY

- Period Order I**
1. Earth as Planet
 2. Latitude and Longitude
 3. Rotation and Revolution
 4. Structure of the Earth

- Half Yearly Exams**
5. Landforms of the Earth
 6. Rocks
 7. Volcanoes
 8. Earthquakes
- World Map

Half Yearly Examination question paper will include the syllabus of P.O.I and Half Yearly.

- Period Order II**
9. Weathering and Denudation
 10. Hydrosphere
 11. Composition and structure of the Atmosphere
 12. Insolation

- Final Examination**
13. Atmospheric Pressure and Winds
 14. Humidity
 15. Pollution
 16. Natural Regions of the World

Annual Examination question paper will include the entire syllabus completed during the session.

Name of the Book-

A Textbook of ICSE Geography
 Author: Veena Bhargava
 Goyal Brothers Prakashan

COMPUTER APPLICATIONS

Period Order I

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 conversions.

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 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. Conditional constructs in Java Part 1

Application of if, if else, if else if ladder
if, if else, if else if, Nested if

Half Yearly Examination

6. 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.

Period Order II

7. 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).(Not in Course and will not be evaluated)

8. 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 (`/* ... */`)

9. 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.

Final Examination

10. Conditional constructs in Java Part 2

Switch-case, default, break.

Switch case, break statement, fall through condition in switch case, Menu driven programs, System.exit(0) - to terminate the program.

COMMERCIAL APPLICATIONS

- Period Order I**
1. Introduction of commercial organisation
 2. Sole proprietorship and Joint Hindu Family Business
 3. Ownership structures-partnership

- Half Yearly Exams**
1. Joint Stock Company
 2. Co-operative Society
 3. Public Sector Enterprises
 4. Functioning in Commercial Organisation
 5. Communication in Commercial Organisation
 6. Ways of Communicating
 7. Natural Resources
 8. Depletion of Resources

Note: Half yearly examination includes syllabus of PO I.

Evaluation of Project-1

- Period Order II**
1. Tools of Communication
 2. Nature and Terminology of Accounting
 3. Practices for conservation of resources

- Final Examination**
1. Accounting Records
 2. Industrial Pollution and Degradation of Environment

Evaluation of Project-2

Complete syllabus

Name of the book:

ISCE Commercial Applications Part I for class IX

Author: C.B.Gupta

Publisher: Goyal Brothers Prakashan

ECONOMIC APPLICATIONS

- Period Order I**
1. Meaning and Definition of Economics
 2. Basic Concepts of Economics
 3. Basic Problems of an Economy

- Half Yearly Exams**
1. Solutions to the Basic Problems in Different Economies
 2. Economy and Economic Entity
 3. The Nature and Classification of an Economy
 4. Impact of Agricultural and Industrial practices on the Eco system
 5. POI syllabus

- Period Order II**
1. The sectors of Indian Economy
 2. Infrastructure of Indian Economy
 3. Social Infrastructure of the Indian Economy

- Final Examination**
1. Impact of Agricultural and Industrial Practices on the Ecosystem
 2. Consumer Awareness
 3. Globalisation
- Full Syllabus for final exam.

Name of the book :

Frank Certificate Economic Applications Class IX

Author: D.K.Sethi, Publisher: Frank Bros. & Co.

ENVIRONMENTAL APPLICATIONS

- Period Order I**
1. Introduction – Our environment
 2. Our environmental problems
 3. Resource depletion

- Half Yearly Exam.**
1. Waste generation
 2. Basic ecology
 3. Types of ecosystem
- Period Order I Syllabus

- Period Order II**
1. Ecological niche
 2. Conservation of ecosystem

- Final Examination**
1. Dynamics of development
 2. Agriculture and food crisis
- Full Syllabus of P.O.I, P.O.II and Half Yearly

Name of the Book -

ICSE Book - Environmental Applications by Huma Syed

Published by Book Stackers

PHYSICAL EDUCATION

Period Order I**Section A**

1. The Human Anatomy and Physiology
 - i. Skeletal System: Bones
 - ii. Functions of the skeletal system.
 - iii. Classification of different types of joints
 - iv. Types of joint movements in physical activities
 - v. Benefits of exercise on the Skeletal System
2. Muscular System
 - i. Types of muscles
 - ii. Identification of Muscles
 - iii. Benefits of exercise on the muscular system.

Section B

1. Football

Half Yearly Examination**Section A**

1. Respiratory System
 - i. Pathway of Air into the body.
 - ii. Mechanics of Breathing
 - iii. Oxygen Debt and lactic acid accumulation. Meaning only.
 - iv. Second Wind
 - v. Vital capacity and Tidal volume.
 - vi. Benefits of exercise on the respiratory system.

Section B

1. Football
2. Practical: Physical Test, Viva-Voice + P.O.I

Period Order II**Section A**

1. Circulatory System
 - i. Structure of the Heart.
 - (ii) Heart rate, Stroke Volume, Cardiac output.
 - (iii) Mechanism of blood circulation.
 - (iv) Blood
 - (v) Benefits of exercise on the Circulatory system
2. Games and Sports
Games and Sports and their Psychological and Social Benefits.

Section B

1. Football
2. Hockey

Annual Examination : Period Order I + Half Yearly Examination + Period Order II

MUSIC VOCAL & INSTRUMENTAL

Period Order I**Practical**

- (a) Ten Alankaars (Playing and singing)
- (b) Gat/Khayal in Raga yaman (Sthai and Antra).
- (c) Taal Practice in hand-Teentaal, Kaherwa, Thah & Dugun speed.

Theory

- (a) Sangeet, Two main systems of Hindustani Music.
- (b) Swar (suddha and vikrit), Naad, Alankar.
- (c) Saptak, Jati
- (d) Matra, Vibhag, taali, Khali, Avartan, Sam, Theka / Thah / Baraber / Ekgun

Half Yearly Examination**Practical**

- (a) Gat/Khyal with simple Alap and toda/tans of Raga yaman, Khamaj and Kafi.
- (b) One Lakshangeet and One Swarmalika in any one raag from your syllabus.
- (c) Thah, Dugun and Chaugun of Teentaal, kaharawa & Dadra.

Theory

- (a) Definition of Naad, Thaata, Alankar, raag, Janak-janya raag, Ashraya raag.
- (b) Vadi, Samvadi, Anuvadi, vivadi, Aroh, Avroh, Pakad, Chal and Achal Swar/Thaata,
- (c) Sketch of any instrument with detail, tuning, history, and labeling their parts.
- (d) Life of contribution of Tansen.
- (e) Identification of Raags with the help of given short swar-vistar.

Note:- Full syllabus of P.O.I

Period Order II**Practical**

- (a) Raag Bhairavi (Sthai and Antra) with their Alaps, Taans / Todas.
- (b) Thah and dugun of Ektaal & Teentaal.
- (c) Singing/Playing of 10 Alankars in Dugun and Chaugun laya.

Theory

- (a) Sthai, Antra, Taan/Toda, Laya, and Varna.

- (b) Sam, Tali, Khali, Matra, Vibhag, Avartan, Taal.
- (c) Description of raag Yaman and Bhairavi.

Final Examination

- Practical**
- (a) Description of Raag Alahiya-Bilawal
 - (b) One Dhrupad in any raag from your syllabus (only for vocal).
 - (c) One Dhun in any raag from your syllabus (only for instrumental).
 - (d) National Anthem – Jan Gan Man and National Song - Vande Mataram.
- Theory**
- (a) Forms of geet/gat, Khyal, Dhrupad,
 - (b) Life of contribution of Tansen and Pt. V.N. Bhatkhande.
 - (c) Identification of Ragas by Note Combination.

Note:- Full syllabus of class 9th for final exam.

MUSIC INSTRUMENTAL TABLA

Period Order I

- Practical**
- (a) One Uthan in Teen taal.
 - (b) One Kayada with Four Palta in Teentaal .
 - (c) Taal Practice in hand-Teentaal, Kaharwa, Thah & Dugun Speed.
- Theory**
- (a) Sangeet, Swar (suddha and vikrit), Saptak.
 - (b) Matra, Taal, Vibhag, Taali, Khali, Avartan, Sam, Theka/Thah/Baraber/Ekgun.

Half Yearly Exam

- Practical**
- (a) Two Kayada with four Palta with Tihai in Teentaal.
 - (b) One Tukra in Jhaptaal and Ektaal.
 - (c) Thah, Dugun and Chaugun of Teentaal, kaharawa, Dadra and Ektaal.
- Theory**
- (a) Definition of Kayada, Palta, Tihai, Mohara, Mukhada, and Tukda.
 - (b) Sketch of Tabla with detail, tuning, history, and labeling their parts.

Note:- Full syllabus of P.O.I

Period Order II

- Practical**
- (a) Two Kayada with Two Palta with Tehai in Teentaal.
 - (b) Thah and dugun of Ektaal and Chartaal.
 - (c) Two kismain in Dadra Taal.
- Theory**
- (a) Laya, Peshkara, Kismain.
 - (b) Sam, Tali, Khali, Matra, Vibhag, Avartan, Taal.

Final Examination

- Practical**
- (a) One Paran in Chartaal.
 - (b) Two Kismain in Dadra and Keharwa taal.
 - (c) Sangat in Dadra and Kaharwa Taal.
- Theory**
- (a) Layakari, Laya.
 - (b) Technique of producing main syllabus of Tabla Dayan and Bayan (Varnas) like Ta, Dha, Ge, Kat, Tin, Dhin, Tita etc..

Note:- Full syllabus of class 9th for final exam.

Name of the Book -

Basic Principles of Indian Music

Publishers : Abhinav Granthagar

Author : Mrs. Nirmalesh Kapoor

ART

Period Order I

1. Simple object drawing with basic colour technique.
2. Seasonal flowers and leaves with transparent techniques.
3. Objects in different shapes (cylinder, sphere, eclipse, ovoid, cube etc.).
4. Strokes and Stripling.

Half Yearly Exam.

1. Shaded flowers(5 petals and multi petals).
2. Fruit with juicer.
3. Stems and branches in depth.
4. Vegetable in jute basket.

Period Order II

1. Indoor plant in transparent jar with suitable background.
2. A tub with mug, soap case, towel etc.
3. Tree structure.
4. Study of different materials(transparent, metallic, earthen etc.)

Final Exams.

1. Creeper plant.
2. Object from dressing table.
3. Tilted and damaged leaves.
4. Study lamp.
5. Work finishing and compilation.
6. Revision and problem discussion.