



SETH ANANDRAM
JAIPURIA SCHOOL

EMPOWER • ENTHUSE • EXCEL

Kanpur

Syllabus of
Class

10

Session 2022-23

ENGLISH LANGUAGE

- Period Order I**
1. Letter Writing
 2. Email/ Notice Writing
 3. Exercises based on Functional Grammar
 4. Comprehension

- Half Yearly Exam.**
1. Letter Writing
 2. Email/ Notice Writing
 3. Exercises based on Functional Grammar
 4. Composition
 5. Comprehension

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

- Preliminary Exam.**
1. Letter Writing
 2. Email/Notice Writing
 3. Exercises based on Functional Grammar
 4. Composition
 5. Comprehension

Recapitulation of the entire syllabus.

Note: The Preliminary Examination Question Paper will cover the entire syllabus completed during the session.

Name of the Book -

Total English - Class X

Morning Star Publication

ENGLISH LITERATURE

Period Order I

- Merchant of Venice : Act 3, Scene 2, 3, 4 & 5
Poetry : I know Why the Caged Bird Sings (Maya Angelou)
Prose : Chief Seattle's Speech
The Little Match Girl (Hans Christian Andersen)

Half Yearly Examination

- Merchant of Venice : Act 4, Scene 1,
Poetry : The Patriot (Robert Browning)
Prose : All Summer in a Day (Ray Douglas Bradbury)
My Greatest Olympic Prize (Jesse Owens)

Prelim Examination

- Merchant of Venice : Act 4, Scene 2, Act 5, Scene 1
Poetry : Abou Ben Adhem (Leigh Hunt)
Nine Gold Medals (David Roth)

Prose: The Blue Bead (Norah Burke)

Complete Course Class IX & X will be included in the Prelim Examination.

Oral & Aural Assessment for the ICSE board examination (Internal Assessment) will be held before the Half Yearly Examination and Prelim Examination.

Name of the Books-

- Merchant of Venice by William Shakespeare
Publisher : Verity Edition Morning Star Publication..
- Treasure Trove – A Collection of ICSE Poems & Short Stories
Publisher : Evergreen Publication (India) Ltd.
- Workbook on Treasure Trove Volume – 1 Poems ICSE
Publisher : Beeta Publications.
- Workbook on Treasure Trove Volume – 2 Prose ICSE
Publisher : Beeta Publications.
- Total English – Class IX
Publisher : Morning Star Publications.
- Work Book – Merchant of Venice
Publisher : Beeta Publications.

HINDI

प्रथम सत्र:-

साहित्य सागर:- (संक्षिप्त कहानियाँ)

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|----------|--|
| गद्य भाग | 1. सन्देह – जयशंकर प्रसाद
2. भीड़ में खोया आदमी – लीलाधर शर्मा पर्वतीय |
| पद्य भाग | 1. विनय के पद – तुलसीदास
2. भिक्षुक – सूर्यकांत त्रिपाठी 'निराला' |
| व्याकरण | – निबन्ध, पत्र (औपचारिक – अनौपचारिक), अपठित गद्यांश
व्यावहारिक व्याकरण एवं वाक्य-परिवर्तन |

अर्द्धवार्षिक सत्र:-

साहित्य सागर:- (संक्षिप्त कहानियाँ)

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| गद्य भाग | 1. भेड़ें और भेड़िए – हरिशंकर परसाई
2. दो कलाकार – मन्नू भंडारी |
| पद्य भाग | 1. चलना हमारा काम है – शिवमंगल सिंह 'सुमन'
2. मातृमंदिर की ओर – सुभद्रा कुमारी चौहान |
| व्याकरण | – निबन्ध, पत्र (औपचारिक – अनौपचारिक), अपठित गद्यांश
व्यावहारिक व्याकरण एवं वाक्य-परिवर्तन |

नोट-कक्षा IX एवं X का पूर्व पढ़ाया गया सम्पूर्ण पाठ्यक्रम परीक्षा में आएगा।

प्रथम पूर्व वार्षिक परीक्षा :-

- | | |
|--------------|---|
| साहित्य सागर | – गद्य एवं पद्य के समस्त पाठों की पुनरावृत्ति। |
| व्याकरण | – निबन्ध, पत्र (औपचारिक – अनौपचारिक), अपठित गद्यांश
व्यावहारिक व्याकरण, वाक्य-परिवर्तन एवं मॉडल प्रश्न-पत्र। |

नोट- कक्षा IX एवं X में कराया गया सम्पूर्ण पाठ्यक्रम परीक्षा में आएगा।

द्वितीय पूर्व वार्षिक परीक्षा :-

- | | |
|--------------|---|
| साहित्य सागर | – गद्य एवं पद्य के समस्त पाठों तथा मॉडल प्रश्न-पत्रों की
पुनरावृत्ति। |
| व्याकरण | – निबन्ध, पत्र (औपचारिक – अनौपचारिक), अपठित गद्यांश
व्यावहारिक व्याकरण, वाक्य-परिवर्तन एवं मॉडल प्रश्न-पत्र की
पुनरावृत्ति। |

नोट- कक्षा IX एवं X में कराया गया सम्पूर्ण पाठ्यक्रम आएगा।

किताब के नाम –

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

MATHS

Period Order I

1. Quadratic Equations in one variable
2. Linear Inequations
3. Factorisation of Polynomials
4. Matrices
5. Ratio and Proportion
6. Goods and Services Tax
7. Banking
8. Shares and Dividends

Half Yearly Exam

1. Arithmetic and Geometric Progressions
2. Reflection
3. Section and mid – point formula
4. Equation of a line
5. Trigonometrical Identities & Table
6. Heights and distances

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

Prelim I

1. Mensuration

2. Similarity
3. Loci
4. Circles
5. Constructions
6. Statistics
7. Probability

Prelim Examination Complete syllabus of Class X

Name of the Book –

Understanding ICSE Mathematics

Avichal Publishing Company, Author: M L Aggarwal

PHYSICS

Period Order I

1. Turning Forces
2. Work, Power and Energy
3. Machines
4. Refraction of Light through Plane Surface

Half Yearly Exam

1. Refraction of Light through Lenses
2. Dispersion of Light and Scattering
3. Sound
4. Calorimetry

Prelim 1

1. Current Electricity
2. Household Electricity
3. Electromagnetism
4. Modern Physics Half yearly Syllabus

Prelims Examination : Entire Syllabus

Name of the Book –

Concise Physics – X

Publisher : Selina Publishers, Author : R. P. Goyal

Practical Manual : Guided Physics for X Publisher : D. N. Publication

CHEMISTRY

Period Order I

1. Periodic table-periodic properties and variations of properties [physical and chemical]
2. Chemical bonding
3. Analytical chemistry - Uses of NH_4OH and NaOH
4. Mole concept and stoichiometry

Half Yearly Exam.

5. Study of acid bases and salt
6. electrolysis
7. chapters of po-1

Prelim 1

1. Metallurgy
2. Study of compounds (hydrochloric acid, sulphuric acid, nitric acid, ammonia)
3. Organic chemistry
4. Syllabus of P.O. I and half yearly.

Prelim 2

Complete syllabus

Name of the book -

Concise Chemistry - Class 10

Author: Dr. S. P. Singh, Publication: Selina Publications

Lab Manual - Guided Chemistry for Class X by - D. N. Publications

BIOLOGY

Period Order I

1. Cell Cycle, Structure of chromosome and Cell division
2. Genetics
3. Absorption by Roots
4. Transpiration
5. Chemical Coordination in plants

Half Yearly Exam.

1. Photosynthesis
2. Nervous System
3. Sense Organs
4. Circulatory system
5. Pollution

Prelims 1

1. Excretory System
2. Endocrine System
3. Reproductive System
4. Human Evolution
5. Population Complete Syllabus of P.O.I, Half Yearly, Prelims

Prelim 2

Complete Syllabus

Name of the Book:

Candid ICSE 10 Biology

Publisher: Evergreen Publication

Lab Manual: Guided Biology Practical Work Book for I.C.S.E

Publisher :D.N Publications

HISTORY AND CIVICS

- Period Order I**
1. Legislature .The Union Parliament. (Civics)
(Lok Sabha, Rajya Sabha,)
 2. First War of Independence.
 3. Factors leading to the growth of Nationalist
 4. First phase of the Indian National Movement. (1885-1907)
 5. Second phase of the Indian National Movement. (1905-1916)
- Half Yearly Exam.**
1. Union Executive.(Civics)
(The President, Vice President, Prime Minister and the council of ministers.)
 2. Mahatma Gandhi (Non Cooperation, Civil disobedience, Cripps Mission, Quit India)
 3. Forward Bloc (INA, Subhas Chandra Bose)
 4. Independence and Partition.
 5. The First World War.
 6. Rise of Dictatorship.

Note – Period Order 1 syllabus included.

- Prelim 1**
1. The Judiciary.(Civics)
(The Supreme Court, The High Court, Subordinate Courts)
 2. The Second World War.
 3. United Nations. (Agencies and Organs)
 4. Non Aligned Movement

Note – Period Order 1 + half yearly + Prelim 1 will be included in Final Prelim

Name of the Book -

ICSE Modern Indian History Contemporary World and Civics

Avichal Publishing

GEOGRAPHY

- Period Order I**
1. Location, Extent and Physical Features
 2. Climate
 3. Soil Resources
 4. Natural Vegetation
Topography & Map work

- Half Yearly Exam.**
5. Water Resources
 6. Mineral and Energy Resources
 7. Agriculture
Topography & Map work

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

- Prelims Exam.**
8. Manufacturing Industries
 9. Transport
 10. Waste Management
Topography & Map work

Prelims 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. Revision of Class IX Syllabus
 - (i) Introduction to Object Oriented Programming concepts, (ii) Elementary Concept of Objects and Classes, (iii) Values and Data types, (iv) Operators in Java, (v) Input in Java, (vi) Mathematical Library Methods, (vii) Conditional constructs in Java, (viii) Iterative constructs in Java, (ix) Nested for loops.
2. Class as the Basis of all Computation
Objects and Classes
Objects encapsulate state and behaviour – numerous examples; member variables; attributes or features. Variables define state; member methods; Operations/methods/messages/ methods define behaviour.
Classes as abstractions for sets of objects; class as an object factory; primitive data types, composite data types. Variable declarations for both

types; difference between the two types. Objects as instances of a class.
Consider real life examples for explaining the concept of class and object.

3. User - defined Methods

Need of methods, syntax of methods, forms of methods, method definition, method calling, method overloading, declaration of methods

Ways to define a method, ways to invoke the methods – call by value [with programs] and call by reference [only definition with an example], Object creation - invoking the methods with respect to use of multiple methods with different names to implement modular programming, using data members and member methods, Actual parameters and formal parameters, Declaration of methods - static and non-static, method prototype/signature,

Pure and impure methods, - pass by value [with programs] and pass by reference [only definition with an example], Returning values from the methods, use of multiple methods and more than one method with the same name (polymorphism - method overloading).

4. Constructors

Definition of Constructor, characteristics, types of constructors, use of constructors, constructor overloading.

Default constructor, parameterized constructor, constructor overloading, Difference between constructor and method.

5. Library Classes

Introduction to wrapper classes, methods of wrapper class and their usage with respect to numeric and character data types. Autoboxing and Unboxing in wrapper classes.

Class as a composite type, distinction between primitive data type and composite data type or class types. Class may be considered as a new data type created by the user, that has its own functionality. The distinction between primitive and composite types should be discussed through examples. Show how classes allow user defined types in programs. All primitive types have corresponding class wrappers. Introduce Autoboxing and Unboxing with their definition and simple examples.

The following methods are to be covered:

int parseInt(String s), long parseLong(String s), float parseFloat(String s), double parseDouble(String s), boolean isDigit(char ch), boolean isLetter(char ch), boolean isLetterOrDigit(char ch), boolean isLowerCase(char ch), boolean isUpperCase(char ch), boolean isWhitespace(char ch), char toLowerCase (char ch) char toUpperCase(char ch)

6. String handling

String class, methods of String class, implementation of String class methods, String array

The following String class methods are to be covered:

String trim()

String to Lower Case() String to Upper Case() int length()

char char At (int n)

int index of (char ch)

int last Index of (char ch)

String concat (String str)

boolean equals (String str)

boolean equals Ignore Case (String str)

int compare To (String str)

int compare To Ignore Case (String str)

String replace (char old Char, char new Char) String substring (int begin Index)

String substring (int begin Index, int end Index)

boolean starts With (String str) boolean ends With (String str) String value of (all types)

Programs based on the above methods, extracting and modifying characters of a string, alphabetical order of the strings in an array [Bubble and Selection sort techniques], searching for a string using linear search technique.

Half Yearly Exams.

7. Arrays

Definition of an array, types of arrays, declaration, initialization and accepting data of single and double dimensional arrays, accessing the elements of single dimensional and double dimensional arrays.

Arrays and their uses, sorting techniques - bubble sort; Search techniques – linear Array as a composite type, length statement to find the size of the array (sorting and searching techniques using single dimensional array only).

2nd Period Order & Preliminary Examination

Project - The students shall build one real life project using the concepts taught.

Revision

COMMERCIAL APPLICATIONS

Period Order 1

1. Markets & Marketing
2. Marketing Mix- 4 P's
3. Advertising & Brand Promotion
4. Sales & Selling Process

- Half Yearly Exams**
1. Generally Accepted Accounting Principles (GAAP)
 2. Financial Accounting and Reporting
 3. Banking & Bank Transactions
 4. Fundamental Concepts of costs
 5. Importance of Human Resources
- Half yearly examination includes syllabus of P.O.I.
Evaluation of Project 1

- Prelims**
1. Recruitment, Selection and Training
 2. Issues of the Environment
 3. Public Relations
- Case Study
Evaluation of Project 2

Name of the book:

ISCE Commercial Applications Part II for class X

Author: C.B. Gupta

Publisher: Goyal Brothers Prakashan

ECONOMIC APPLICATIONS

- Period Order 1**
1. Demand: Law of Demand and Determinants of Demand
 2. Supply: Law of Supply and Determinants of Supply
 3. Elasticity of Demand and Supply

- Half Yearly Exam**
1. Factors of Production: Land & Labour
 2. Factors of Production: Capital and Entrepreneur
 3. Forms of Market Structure: Basic Concepts
 4. Public Sector Enterprises and their Privatisation
 5. The Role of State in Economic development
 6. POI Syllabus

- Prelims**
1. Money and Inflation
 2. Banking- Commercial Banks & Central Bank
 3. Project Work
 4. Entire Syllabus

Name of the Book:

Frank Certificate Economic Applications Class X

Author: D.K.Sethi

Publisher: Frank Bros. & Co.

ENVIRONMENTAL SCIENCE

- Period Order I**
1. Controlling Air Pollution.
 2. Managing the Urban Environment

- Half-Yearly Exam**
1. Managing Soil and Land.
 2. Food
 3. Addressing Population + Syllabus of P.O.I

- Period Order II**
1. Biodiversity
 2. Environment and Development

- Final Exam [Prelims]**
1. Energy
 2. Waste
 3. Towards a Sustainable Future + complete syllabus

Name of the Book-

I.C.S.E Environment Science- Class 10

Publisher :- Goyal Brothers Prakashan

Author :- Dr. Kalpana Gupta

PHYSICAL EDUCATION

Period Order I

- Section –A
1. Human Growth and Development
 - (i) Growth and Development
 - (ii) Factors that influence Human Growth and Development
 2. Physical Education
 - (i) Meaning of Physical Education
 - (ii) Objectives of Physical Education
 3. Body types
 - (i) Endomorph, Mesomorph, Ectomorph.

Section –B

1. Cricket
2. Football
3. Hockey

Half Yearly Examination

- Section –A
1. Physical Fitness
 - (i) Meaning of Physical fitness and its importance.
 - (ii) Components of Physical Fitness.
 2. Sports Training

- (i) Meaning of Sports training.
 - (ii) Importance of sports training and its objectives.
 - (iii) Principles of Sports Training.
 - 3. Safety in Sports
 - (i) Sports related injuries.
 - (ii) Prevention of injuries.
- Section –B
- 1. Cricket
 - 2. Football
 - 3. Hockey
- Practical : Physical Test, Viva-Voice
+ P.O. I

Prelims I

- Section –A
- 1. Health Education
 - (i) Meaning and Importance of Health Education
 - (ii) Nutrition
 - (iii) Dietary modification for Sportsperson
 - 2. Careers in Physical Education
 - (i) Various career options in Physical Education.

- Section –B
- 1. Volleyball
 - 2. Cricket
 - 3. Football
 - 4. Hokey

Practical : Physical Test, Viva-Voice
+ P.O.I + Half Yearly Examination

Prelims II : P.O. I + Half Yearly Examination + Prelims I

ENVIRONMENTAL APPLICATION

Period Order I Caring for Our Soil
Fuel wood crisis
Waste generation and treatment

Half Yearly Exam. Caring for our air
Legislation as a means to reduce air pollution
Caring for our water
Resource use
+ P.O.I

Prelims Evolving sustainable paradigm
Ecofriendly technologies
Initiatives I can take

- + P.O.1 syllabus
- + Half Yearly syllabus

Name of the Books -

ICSE Book - Environmental Applications by Huma Syed
Published by Book Stackers

MUSIC (VOCAL & INSTRUMENTAL)

Note :- Full syllabus of class 9th.

Period Order I

- Practical
- (a) Three Alankaars in Teentaal, Jhaptaal and Dadra taal
 - (b) Gat/Khayal in Raga Bhairav.
 - (c) Taal Practice in hand- Rupak taal and Jhap taal with Thah & Dugun speed.
- Theory
- (a) Definition of Sound, Meend, Kan, .
 - (b) Description of Raag Bhairav and Bhoopali.
 - (c) Definition of Thaat, Jati, Vadi, Samvadi.
 - (d) Definition of Matra, Vibhag, taali, Khali, Sam, Avartan,

Half Yearly Exam

- Practical
- (a) Gat/Khyal with simple Alap and toda/tans of Raga Bhoopali, Desh & Bageshwari.
 - (b) One Lakshangeet and One Swarmalika in any raag from your syllabus.
 - (c) Thah, Dugun and Chaugun of Rupak taal, Jhaptaal & Tiwada taal.
 - (d) One BadaKhyal/ Maseetkhani gat in any Raag from your syllabus.
- Theory
- (a) Definition of Naad, Shruti, Gamak, Khatka, Tigun, Poorvang, Uttarang, Poorva and uttar raag.
 - (b) Definition of Tappa, Thumri, Dhrupad and Dhamar (only for vocal). Baj, Jhala, Zamzama Maseetkhani and Razakhani gat (only for instrumental)
 - (c) Sketch of any instrument with detail, tuning, history, and labeling their parts.
 - (d) Life of contribution of Amir Khusro.
 - (e) Identification of Raags with the help of given short swar-vistar.

Period Order II

- Practical (a) Madhya laya of Raag MalKauns with Alaps, Taans/Todas.

- (b) Introduction of Dhamaar and Deepchandi(chanchal) taal with Dugun and Chaugun speed.
- Theory (a) Relation between vadi swar and time of raag.
(b) Naad, Saptak, and Varna

Prelims Exam

- Practical (a) All 10 Raags and Taals.
- Theory (a) Life of contribution of Vishnu Digamber Paluskar.
(b) A brief description of 4 eminent vocalists/instrumentalists
(c) Relation between vadi swar and time of raag.
(d) Knowledge of Musical Notation System of Pt. V. N. Bhathkhande (Swar and Taal-lipi)

Note - Complete syllabus of class 9th and 10th.

MUSIC (INSTRUMENTAL TABLA)

Note :- Full syllabus of class 9th.

Period Order I

- Practical (a) Kayada no.3 (new kayada) with four Paltas with Tihai in Teentaal
(b) Uthan in Teentaal.
(c) Taal Practice in hand- Rupak taal and Jhap taal with Thah & Dugun speed.
- Theory (a) Definition of Lehra(nagma), Paran, Uthan, Kayada.
(b) Definition of Matra, Vibhag, taali, Khali, Sam, Avartan,

Half Yearly Exam

- Practical (a) Kayada No. 4 with four Palta with Tihai in Teentaal.
(b) One Rela in Teentaal.
(c) One Paran in Teevra taal.
(d) Thah, Dugun, Tigun and Chaugun of Rupaktaal, Jhaptaal, Tiwada taal Dhamar taal, Teevra Taal and Sool Taal.
(e) One Chakardaar Tukda in Teentaal.
- Theory (a) Names of 10 Pranas and Taal – Jaati.
(b) Definition of Solo and Sangat, Gat, Padhant, Chakardaar Tukda,
(c) Sketch of any instrument with detail, tuning, history, and labeling their parts.
(d) A brief description of 2 eminent percussionists (Present and Recent past).
(e) Identification of Taals (a few bol combinations given).

Period Order II

- Practical (a) One Damdar and Bedam Tihai in Teentaal.
(b) One Tihai in Rupak and Sool taal.
(b) Aadilaya (only in Dadra and Kaharwa)
- Theory (a) Definition of Tukda, Tihai, Saptak, Palta .
(b) Introduction of Tilwada and Deepchandi(chanchal) taal with Dugun, Tigun and Chaugun speed.

Prelims Exam

- Practical (a) Four Paltas with four-four kayadas with Tihai in Teentaal.
(b) Tukda, Uthan, Rela, Paran, Tihai, Kismain Etc.
- Theory (a) A brief description of 4 eminent percussionists (Present and Recent past)

Note- Complete syllabus of class 9th and 10th

Name of the Book -

Basic Principles of Indian Music
Publishers - Abhinav Granthagar
Author - Mrs.Nirmallesh Kapoor

ART

Period Order I

1. Light and shadow in still life.
2. Effect of droplets (flowers and fruits).
3. Basic perspective effects in still life.
4. Texture and depth.

Half Yearly Exam.

1. Object drawing using geometrical shapes.
2. Colour blending.
3. Fundamentals of art.
4. Climbers with suitable background.

Period Order II

1. Object from carpentry kit.
2. Peeled off fruits.
3. Crumbled cloth.
4. Fruits (sliced and seeds).

Final Exam.

1. Tetra pack and sachet in different size and shapes.
2. Cactus.
3. Mixed arrangement.
4. Ferns and canna.
5. Work finishing and compilation.
6. Revision and problem discussion.