

**CLASS X (2023-24)**  
**SYLLABUS**

**ENGLISH**

Text Books: Interact in English Series by CBSE

- Main Course Book (Revised Edition)
- Literature Reader (Revised Edition)
- Workbook (Revised Edition)

**FIRST TERM**

Literature Reader:

Prose-

1. Two Gentlemen of Verona
2. Mrs. Packletide's Tiger
3. The Letter
4. A Shady Plot
5. Patol Babu, Film Star
6. Virtually True

Poetry-

1. The Frog and the Nightingale
2. Not Marble, nor the Gilded Monuments
3. The Rime of the Ancient Mariner
4. Snake

Drama-

1. The Dear Departed

Workbook:

1. Unit 1- Determiners
2. Unit 2- Tenses
3. Unit 3- Subject- Verb Agreement
4. Unit 4- Non- finites, Infinitives and Participles
5. Unit 5- Relatives
6. Unit 6- Connectors
7. Unit 11- Modals – Expressing Attitudes
8. Unit 12- Active and Passive
9. Unit 13- Reported Speech
10. Unit 14- Prepositions

Main Course Book:

1. Unit 1- Health and Medicine

2. Unit 2- Education
3. Unit 3- Science
4. Unit 4- Environment
5. Unit 5- Travel and Tourism

#### Writing Skills:

1. E-mail to school authorities (application for leave/ change of subject/ change of section/ bus timings or similar topics)
2. Factual Description (person/ object)
3. Formal Letter
4. Article Writing

### **SECOND TERM**

#### Literature Reader:

##### Poetry-

1. Ozymandias

##### Drama-

1. Julius Caesar

#### Workbook:

1. Unit 7- Conditionals
2. Unit 8- Comparison
3. Unit 9- Avoiding Repetition- Substitution and Omission
4. Unit 10- Nominalisation

#### Main Course Book:

1. Unit 6- National Integration

### **हिंदी – 'ब'**

**पाठ्य-पुस्तक** – 1.स्पर्श भाग-2 (NCERT)

2.संचयन भाग-2 (NCERT)

3. हिंदी व्याकरण कोर्स'बी'-10 रचना सागर एजुकेशनल पब्लिशर्स (अभ्यास कार्यपुस्तिका सहित)

#### **प्रथम-सत्र**

##### **स्पर्श भाग-2**

**गद्य खंड** –1. बड़े भाई साहब

2. डायरी का एक पन्ना

3. ततारा-वामीरो कथा

**पद्य खंड – 1. पद (मीरा)**

2. पर्वत प्रदेश में पावस
3. तोप
4. साखी
5. मनुष्यता

**संचयन भाग-2**

1. हरिहर काका

**व्याकरण**

1. पदबंध
2. रचना के आधार पर वाक्य रूपांतरण
3. समास
4. मुहावरे

**रचना कौशल –**

1. अनुच्छेद-लेखन
2. पत्र-लेखन (औपचारिक)
3. सूचना-लेखन
4. विज्ञापन-लेखन
5. लघुकथा-लेखन, ई-मेल-लेखन

**अपठित गद्यांश**

**द्वितीय-सत्र**

**स्पर्श भाग-2**

**गद्य खंड – 1. तीसरी कसम के शिल्पकार शैलेन्द्र**

2. अब कहाँ दूसरे के दुख से दुखी होने वाले
3. पतझर में टूटी पतियाँ –
  - (i) – गिन्नी का सोना
  - (ii) – झेन की देन
4. कारतूस (एकांकी)

**पद्य खंड – 1. कर चले हम फ़िदा**

2. आत्मत्राण

**संचयन भाग -2**

1. सपनों के से दिन
2. टोपी शुक्ला

**व्याकरण – प्रथम-सत्र में की गई व्याकरण दोहराई जाएगी**

- रचना कौशल –**
1. अनुच्छेद लेखन
  2. पत्र-लेखन (औपचारिक)
  3. सूचना-लेखन
  4. विज्ञापन-लेखन
  5. लघुकथा-लेखन, ई-मेल लेखन

**अपठित गद्यांश**

## **FRENCH**

**Textbook: Entre Jeunes Class X (CBSE)**

### **FIRST TERM**

- Leçon-2 : Après le bac  
Leçon-3 : Chercher du travail  
Leçon-4 : Le plaisir de lire  
Leçon-5 : Les médias  
Leçon-7 : En pleine forme  
Leçon-8 : L'environnement

### **Section -A: Reading Section**

One unseen prose passage (factual / descriptive) (150-200 words) (with a picture/ diagrammatically represented data)

### **Section - B: Writing Section**

One long composition (Informal letter) based on the main themes given in Lessons 2-5,7 and 8. (80 words)

Two short compositions: (message, re-arranging a dialogue in logical sequence, completing a text with the help of clues provided) (30 -35 words)

### **Section-C Grammar Section**

Verbs (All tenses done in class 9, conditionnel du présent, futur antérieur, plus-que-parfait & subjonctif)

Pronom relatif simple et composé

Pronom personnel (COD, COI, y, en, tonique)

Trouvez la question

Négatifs

Possessifs-adjectifs et pronoms

### **Section-D: Culture and Civilization**

Questions based on textbook: Lessons 2-5,7 and 8.

- a) Short answer questions
- b) MCQ (True or false/ match the following/ fill in the blanks)

## SECOND TERM

Leçon-6 : Chacun ses goûts

Leçon-10 : Vive la République !

### Section -A: Reading Section

One unseen prose passage (factual / descriptive) (150 words) (with a picture/ diagrammatically represented data)

### Section - B: Writing Section

One long composition (Informal letter) based on the main themes given in Lessons 6 and 10. (80 words)

Two short compositions: (message, re-arranging a dialogue in logical sequence, completing a text with the help of clues provided) (30 -35 words)

### Section-C Grammar Section

Verbs (All tenses done in class 9, conditionnel du présent, futur antérieur, plus-que-parfait & subjonctif)

Pronom relatif simple et composé

Pronom personnel (COD, COI, y, en, tonique)

Trouvez la question

Négatifs

Possessifs-adjectifs et pronoms

Démonstratifs- adjectifs et pronoms (simples et composés)

Discours direct et indirect

### Section-D: Culture and Civilization

Questions based on textbook: Lessons 6 and 10.

a) Short answer questions

b) MCQ (True or false/ match the following/ fill in the blanks)

## MATHEMATICS

**Text Book:** Mathematics Text Book for Class X (NCERT)

**Reference Book:** Mathematics Book for Class X by R. D. Sharma

## FIRST TERM

### Unit-I: Number Systems

Chapter-1: Real Numbers

### Unit-II: Algebra

Chapter-2: Polynomials

Chapter-3: Pair of Linear Equations in Two Variables

Chapter-4: Quadratic Equations

### Unit-III: Coordinate Geometry

Chapter-7: Coordinate Geometry

**Unit-IV: Geometry**

Chapter-6: Triangles

**Unit-V: Trigonometry**

Chapter-8: Introduction to Trigonometry

**Unit-VI: Mensuration**

Chapter-12: Surface Areas and Volumes

**Unit-VII: Statistics and Probability**

Chapter-13: Statistics

Chapter-14: Probability

**SECOND TERM**

**Unit-II: Algebra (contd...)**

Chapter-5: Arithmetic Progressions

**Unit-IV: Geometry (contd...)**

Chapter-10: Circles

**Unit-V: Trigonometry (contd...)**

Chapter-9: Some Applications of Trigonometry

**Unit-VI: Mensuration (contd...)**

Chapter-11: Areas Related to Circles

**SCIENCE**

- Text Book:**
1. Science Textbook for Class-X (NCERT)
  2. Laboratory Manual : Arya Publications
  3. Science Exemplar Problems- Class – X (NCERT)

**FIRST TERM**

**PHYSICS**

Chapter-9: Light-Reflection and Refraction

Chapter-10: The Human Eye and the Colourful World

Chapter-11 Electricity

**Practicals**

1. Determination of the focal length of:
  - i) Concave mirror
  - ii) Convex lensby obtaining the image of a distant object.

2. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
3. Tracing the path of the rays of light through a glass prism.

## **CHEMISTRY**

Chapter-1: Chemical Reactions and Equations

Chapter-2: Acids, Bases and Salts

Chapter-3: Metals and Non Metals

### **Practicals**

1. Find the pH of various samples by using pH paper.
2. Studying the properties of acids and bases (HCl and NaOH)
3. Performing and observing the reactions and classifying them.
4. Observing the actions of Zn, Fe, Cu and Al metals on the salt solutions.

## **BIOLOGY**

Chapter-5: Life Processes

Chapter-6: Control and Coordination

Chapter-7: How do Organisms Reproduce?

### **Practicals**

1. Preparing a temporary mount of a leaf peel to show stomata.
2. Experimentally show that carbon dioxide is given out during respiration.
3. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.

## **SECOND TERM**

### **PHYSICS**

Chapter-12 Magnetic Effects of Electric Current

#### **Practicals**

1. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.

2. Determination of the equivalent resistance of two resistors when connected in series and parallel.

## **CHEMISTRY**

Chapter-4: Carbon and its Compounds

### **Practicals**

1. Study the properties of acetic acid.
2. Study the comparative cleansing capacity of a sample of soap in soft and hard water.

## **BIOLOGY**

Chapter-8: Heredity

Chapter-13: Our Environment

### **Practicals**

1. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

## **SOCIAL SCIENCE**

### **Textbooks:**

- 1 History: India And The Contemporary World-II
2. Geography: Contemporary India-II
3. Political Science :Democratic Politics-II
4. Economics: Understanding Economic Development

## **FIRST TERM**

### **History**

Chapter 1: The Rise of Nationalism in Europe

Chapter 2: Nationalism in India

Chapter 5: Print Culture and the Modern World

### **Geography**

Chapter 1: Resources and Development

Chapter 2: Forest and Wildlife Resources

Chapter 3: Water Resources

Chapter 4: Agriculture

## **Political Science**

Chapter 1: Power-sharing

Chapter 2: Federalism

Chapter 3: Gender, Religion and Caste

## **Economics**

Chapter 1: Development

Chapter 2: Sectors of the Indian Economy

## **SECOND TERM**

### **History**

Chapter 3: The Making of a Global World

Chapter 4: The Age of Industrialisation

### **Geography**

Chapter 5: Minerals and Energy Resources

Chapter 6: Manufacturing Industries

Chapter 7: Lifelines of National Economy

### **Political Science**

Chapter 4: Political Parties

Chapter 5: Outcomes of Democracy

### **Economics**

Chapter 3: Money and Credit

Chapter 4: Globalization and the Indian Economy

## **COMPUTER APPLICATIONS**

**Textbook:** Computer Application - for Class X by Blueprint Education

### **FIRST TERM**

#### **UNIT 2: HTML**

- Introduction to web page designing using HTML: create and save an HTML document, access a web page using a web browser.

- HTML tags: html, head, title, body, (attributes: text, background, bgcolor, link, vlink, alink), br (break), hr(horizontal rule), inserting comments, h1..h6 (heading), p (paragraph), b (bold), i (italics), u (underline), ul (unordered list), ol (ordered list), and li (list item). Description lists: dl, dt and dd. Attributes of ol (start, type), ul (type).
- Font tags (attributes: face, size, color).
- Insert images: img (attributes: src, width, height, alt), sup (super script), sub (subscript).
- HTML Forms: Textbox, radio buttons, checkbox, password, list, combobox.
- Embed audio and video in a HTML page.
- Create a table using the tags: table, tr, th, td, rowspan, colspan
- Links: significance of linking, anchor element (attributes: href, mailto), targets.
- Cascading style sheets: colour, background-colour, border-style, margin, height, width, outline, font (family, style, size), align, float.

## **UNIT 1: NETWORKING**

- Internet: World Wide Web, web servers, web clients, web sites, web pages, web browsers, blogs, news groups, HTML, web address, e-mail address, downloading and uploading files from a remote site.
- Internet protocols: TCP/IP, SMTP, POP3, HTTP, HTTPS. Remote login and file transfer protocols: SSH, SFTP, FTP, SCP, TELNET, SMTP, TCP/IP.

## **SECOND TERM**

### **UNIT 1: NETWORKING**

- Services available on the internet: information retrieval, locating sites using search engines and finding people on the net;
- Web services: chat, email, video conferencing, e-Learning, e-Banking, eShopping, e-Reservation, e-Governance, e-Groups, social networking.
- Mobile technologies: SMS, MMS, 3G, 4G.

### **UNIT 3: CYBER ETHICS**

- Netiquettes.
- Software licenses and the open source software movement.
- Intellectual property rights, plagiarism and digital property rights.
- Freedom of information and the digital divide.
- E-commerce: Privacy, fraud, secure data transmission.

## **PAINTING**

**Textbook:** Panaromic Indian Painting

### **FIRST TERM**

THEORY-

UNIT-1

1.Fundamentals of Visual Arts.

Chapter-1: The Elements of Art

Chapter-2: Principles of Art

## UNIT -II

Methods & Materials of Painting

Chapter- 3 Understanding and appropriate use of tools

Chapter- 4 Understanding and appropriate use of Painting materials – Poster colours, Water colours, Oil pastels, and Pencils.

## **SECOND TERM**

Chapter-6 Story Of Indian Art

Appreciation of selected Indian Painting, Sculpture and Architecture

Painting – Bodhisatva Padmapani(Ajanta cave no. 1)

Sculpture – Ashokan Lion Capital (Mauryan period)

Architecture – Kailashnath Temple cave 16 (Ellora)

## INDIAN FOLK ART

Madhubani and Warli Art