

**SYLLABUS FROM MARCH TO MAY
CLASS X (2024-25)**

ENGLISH

Text Books: Interact in English Series by CBSE

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

Literature Reader:

Prose

1. Two Gentlemen of Verona
2. Mrs. Packletide's Tiger

Poetry

1. The Frog and the Nightingale

Drama

1. The Dear Departed

Workbook:

1. Unit 1 – Determiners
2. Unit 2 – Tenses

Main Course Book:

1. Unit 1 -Health and Medicine

Writing Skill

Formal Letters:

- (i) Letter of Enquiry
- (ii) Letter of Placing Order
- (iii) Letter of Complaint
- (iv) Letter to the Editor
- (v) Letter to the Principal

HINDI

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)

स्पर्श भाग-2

गद्य खंड –

1. बड़े भाई साहब
2. ततौरा-वामीरो कथा

पद्य खंड –

3. पद (मीराबाई)

संचयन भाग-2

4. हरिहर काका

व्याकरण –

1. पदबंध

2. मुहावरे

रचना कौशल –

1. अनुच्छेद लेखन

2. विज्ञापन लेखन

3. अपठित गद्यांश

FRENCH

Textbook: Entre Jeunes Class X (CBSE)

Reading Section :

One unseen prose/ passage (150 words) picture/ data based

Writing Section:

- Complétez le texte
- Les lettres (lessons 2&3)

Grammar Section:

- Les verbes (présent, impératif, passé composé, imparfait, futur proche, futur simple, futur antérieur, les verbes pronominaux)
- La négation
- Les pronoms relatif simples et composés

Culture and civilization :

Leçon 2- Après le bac

Leçon 3- Chercher du travail

MATHEMATICS

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

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

Chapter 2- Polynomials

Chapter 3- Pair of Linear Equations in Two Variables

Chapter 8- Introduction to Trigonometry

Chapter 13- Statistics

SCIENCE

Text Book: 1. Science Textbook for Class-X (NCERT)

2. Laboratory Manual Science, Class X Avichal Publishing Company

3. Science Exemplar Problems- Class X (NCERT)

PHYSICS

Chapter 9 : Light-Reflection and Refraction.

Practical

1. Determine the focal length of :
(a) Concave Mirror (b) Convex Lens
By obtaining the image of a distant object.

CHEMISTRY

Chapter 1: Chemical Reactions and Equations

Chapter 2: Acids, Bases and Salts (till page no. 25)

Practicals

1. Studying the properties of acids and bases (HCl and NaOH)
2. Performing and observing the reactions and classifying them.

BIOLOGY

Chapter 5 : Life Processes

Practicals

- 1.To prepare a temporary mount of leaf epidermis to observe stomata.
- 2.To show that Carbon dioxide is released during respiration.

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

5. Disaster Management : Together Towards a Safer India- Part III (A textbook on Disaster Management)

HISTORY

Ch.2 Nationalism In India

Ch.5 Print Culture And The Modern World

GEOGRAPHY

Ch.1 Resources And Development

POLITICAL SCIENCE

Ch.1 Power Sharing

Ch.2 Federalism

ECONOMICS

Ch.1 Development

Ch.2 Sectors of Indian Economy

ARTIFICIAL INTELLIGENCE

Textbook: Touchpad-Artificial Intelligence-Class 10

Unit 1: INTRODUCTION TO AI

Foundational concepts of AI

- Session: What is Intelligence?
- Session: Decision Making.
 - How do you make decisions?
 - Make your choices!
- Session: what is Artificial Intelligence and what is not?

Basics of AI: Let's Get Started

- Session: Introduction to AI and related terminologies.
 - Introducing AI, ML & DL.
 - Introduction to AI Domains (Data, CV & NLP)
- Session: Applications of AI – A look at Real-life AI implementations
- Session: AI Ethics

Unit 2: AI PROJECT CYCLE

Introduction

- Session: Introduction to AI Project Cycle

Problem Scoping

- Session: Understanding Problem Scoping & Sustainable Development Goals

Data Acquisition

- Session: Simplifying Data Acquisition

Data Exploration

- Session: Visualising Data

Modelling

- Session: Introduction to modelling
 - Introduction to Rule Based & Learning Based AI Approaches
 - Introduction to Supervised Unsupervised & Reinforcement Learning Models
 - Neural Networks

Evaluation

- Session: Evaluating the idea!

Unit 6: NATURAL LANGUAGE PROCESSING

Introduction

- Session: Introduction to Natural Language Processing
- Session: NLP Applications
- Session: Revisiting AI Project Cycle

Chatbots

- Activity: Introduction to Chatbots

Language Differences

-Activity: Introduction to Chatbots

- Session: Human Language VS Computer Language Concepts of Natural Language Processing

Hands-on:

- Text processing

- Data Processing
- Bag of Words
- TFIDF (Optional)**
- NLTK

Unit 3: ADVANCE PYTHON (To be assessed through Practicals)

Recap

- Session: Jupyter Notebook
- Session: Introduction to Python
- Session: Python Basics

COMPUTER APPLICATIONS

Textbook: Computer Applications - Blueprint Education- Class 10

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).

PAINTING

Textbook: Panaromic Indian Painting

THEORY

UNIT-1

1. Fundamentals of Visual Arts.

Chapter-1: The Elements of Art

Chapter-2: Principle of Art

PRACTICAL

Still Life

Painting Composition

ART EDUCATION

Text book: I am an Artist (Book-7)

Page No. : 5 - 25