

CLASS X (2023-24)
MID TERM SYLLABUS

ENGLISH

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

हिंदी – 'ब'

स्पर्श भाग-2

गद्य खंड –1. बड़े भाई साहब

2. डायरी का एक पन्ना
3. तताँगा-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

FRENCH

Entre Jeunes Class X

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)

MATHEMATICS**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

SCIENCE

PHYSICS

Chapter-9: Light-Reflection and Refraction

Chapter-10: The Human Eye and the Colourful World

Chapter-11 Electricity

CHEMISTRY

Chapter-1: Chemical Reactions and Equations

Chapter-2: Acids, Bases and Salts

Chapter-3: Metals and Non Metals

BIOLOGY

Chapter-5: Life Processes

Chapter-6: Control and Coordination

Chapter-7: How do Organisms Reproduce?

SOCIAL SCIENCE

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

ARTIFICIAL INTELLIGENCE

THEORY

UNIT 1: INTRODUCTION TO ARTIFICIAL INTELLIGENCE(AI)

Foundational concepts of AI

- Session: What is Intelligence?
- Session: Decision Making.
- Session: what is Artificial Intelligence and what is not?

Basics of AI: Let's Get Started

- Session: Introduction to AI and related terminologies.
- 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

Evaluation

- Session: Evaluating the idea!

UNIT 4: DATA SCIENCES

Introduction

- Session: Introduction to Data Science
- Session: Applications of Data Science

Getting Started

- Session: Revisiting AI Project Cycle, Data Collection, Data Access

UNIT 5: COMPUTER VISION

Introduction

- Session: Introduction to Computer Vision
- Session: Applications of CV

Concepts of Computer Vision

- Session: Understanding CV Concepts

UNIT 6: NATURAL LANGUAGE PROCESSING

Introduction

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

Chatbots

Language Differences

- Session: Human Language VS Computer Language

Concepts of Natural Language Processing

- Session: Data Processing

EMPLOYABILITY SKILLS

UNIT 1: COMMUNICATION SKILLS-II

UNIT 2: SELF-MANAGEMENT SKILLS-II

PRACTICAL

UNIT 3 : ADVANCE PYTHON

Recap

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

UNIT 4: DATA SCIENCES

Python Packages

- Session: Python for Data Sciences

Concepts of Data Sciences

- Session: Statistical Learning & Data Visualisation

COMPUTER APPLICATIONS

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.

PAINTING

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.