

CLASS X (2023-24)
SYLLABUS
TERM -I

ENGLISH

Reading:

Case based Comprehension Passage

Writing:

1. E-mail Writing
2. Article (thematically aligned to MCB units)

Main Course Book-

1. Unit 1- Health and Medicine
2. Unit 2- Education

Grammar:

1. Gap Filling
2. Sentence Reordering

Literature:

Prose-

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

Poem-

1. The Frog and the Nightingale
2. Not Marble, nor the Gilded Monuments

HINDI

स्पर्श भाग-2

गद्य खंड -1. ततार्रा-वामीरो कथा

पद्य खंड – 2. पद (मीरा)

संचयन भाग-2

3.हरिहर काका

व्याकरण -

1. पदबंध

2. मुहावरे

रचना कौशल –

1. अनुच्छेद-लेखन-

2. सूचना-लेखन

3. विज्ञापन-लेखन

4. लघुकथा-लेखन

अपठित गद्यांश

FRENCH

Reading section:

One unseen prose passage (factual/descriptive)

Writing Skills:

One long composition (Informal Letter) based on the themes given in lessons (2,3,4,5)

Grammar :

1) Verbs (all tenses done in class 9 , futur antérieur, plus-que-parfait)

2) Pronom relatif composé

3) Pronoms personnels (Pronom sujet, COD, COI)

4) Trouvez la question

5) Négatif

Literature Section :

Leçon -2: Après le bac

Leçon -3: Chercher du travail

Leçon -4: Le plaisir de lire

Leçon -5: Les médias

MATHEMATICS

Chapter 2- Polynomials

Chapter 3- Pair of Linear equations in two variables

Chapter 8- Introduction to Trigonometry

Chapter 13- Statistics

SCIENCE

PHYSICS- Chapter 9: Light-Reflection and Refraction.

CHEMISTRY- Chapter 2: Acids, Bases and Salts.

BIOLOGY- Chapter 5: Life Processes

SOCIAL SCIENCE

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

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 3: ADVANCE PYTHON (To be assessed through Practicals)

Recap

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

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

EMPLOYABILITY SKILLS

UNIT 1: COMMUNICATION SKILLS-II

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).

PAINTING

UNIT- I

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.