

ST. THOMAS SCHOOL, LONI
SYLLABUS 2024- 2025
UNIT TEST-I
CLASS: XI SCIENCE

ENGLISH

Prescribed Books: 1)Hornbill

2) Snapshots

Publisher- NCERT

Reading Comprehension- 1. Unseen passage- (The passage may be factual, descriptive or literary/discursive or persuasive)
Creative Writing Skills 1. Short Writing tasks - Poster
Grammar (Integrated) 1. Tenses 2. Sentence reordering
Literature- Questions based on extracts/texts to assess comprehension and appreciation, analysis, inference and extrapolation Book- Hornbill Ch-1: The Portrait of the Lady Book- Snapshots Ch-1: Summer of the Beautiful White Horse

CHEMISTRY

Book Name - Chemistry

Publisher- NCERT

Chapter-1	Some Basic Concepts of Chemistry
Chapter-3	Classification of Elements and Periodicity in properties

MATHEMATICS

Main course book: N.C.E.R.T

Reference Book : Mathematics - XI (Author-R.D.Sharma

Chapter-1	Sets
Chapter-4	Complex Numbers and Quadratic Equations
Chapter- 5	Linear Inequalities

PHYSICS

Textbook- Physics

Publisher- NCERT

Chapter-1	Units and Measurements
Chapter-2	Motion in Straight Line

BIOLOGY

TEXT BOOK-BIOLOGY

PUBLISHERS-NCERT

Chapter 1	The living world
Chapter 2	Biological classification

FINE ARTS

Book: Panoramic Indian Painting

Chapter-1	Pre-historic rock paintings and art of Indus Valley civilization
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MUSIC

TEXT BOOK- SOUTH INDIAN MUSIC BOOK BY SAMBAMOORTHY

PUBLISHER- INDIAN MUSIC PUBLISHING HOUSE, MADRAS

UNIT 1	Biographies - Tyagaraja , Muthuswami Dikshitar and Syamashastrri
UNIT 2	Nada, Sruti, Swara, Tala and Raga

PHYSICAL EDUCATION

Book: Health and Physical Education, Laxmi Publications

UNIT 1	Changing Trends & Career in Physical Education
UNIT 2	Olympic Value Education

COMPUTER SCIENCE

Book- Computer Science with Python

Publisher- Sultan Chand

Unit I: Computer Systems and Organisation

- Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (bit, byte, KB, MB, GB, TB, PB)
- Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software
- Operating System(OS): functions of the operating system, OS user interface

Unit II: Computational Thinking and Programming - 1

- Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition
- Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens(keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments
- Knowledge of data types: Number(integer, floating point,complex), boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types.

PSYCHOLOGY

Main course book: Psychology, Class XI, Published by NCERT

UNITS
1.What is Psychology?
2. Methods of Enquiry in Psychology