

**ST. THOMAS SCHOOL, LONI**  
**SYLLABUS 2025- 2026**  
**CLASS TEST -3 (JULY)**  
**CLASS: XII(SCIENCE)**

**ENGLISH**

**Textbooks- FLAMINGO**

**VISTAS**

**(SUPPLEMENTARY READER)**

**Publisher- NCERT**

Reading Comprehension-

- 1.Unseen passage- (The passage may be factual, descriptive or literary/discursive or persuas
2. Case based passage with verbal/visual inputs like statistical data, charts etc.

Creative Writing Skills

- 1.Job Application

**Book- Vistas**

- 1.The Tiger King
- 2.The Enemy

**Poem**

1. Keeping Quiet

**PHYSICS**

**Main course book: N.C.E.R.T (Part 1)**

**Reference Book: S.L. Arora**

**CLASS TEST- 03**

**TOTAL CHAPTERS: 04**

Chapter-1	<b>Electric charges and field</b>  <b>Topics:</b> Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside).
Chapter-2	<b>Electric potential and Capacitance</b>  <b>Topics:</b> Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges;

	equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field.
Chapter-3	<b>Current Electricity</b>  <b>Topics:</b> Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.
Chapter-4	<b>Moving Charges and Magnetism</b>  Concept of magnetic field, Oersted's experiment. Biot - Savart law and its application to current carrying circular loop. Ampere's law and its applications to infinitely long straight wire. Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields. Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors-definition of ampere, torque experienced by a current loop in uniform magnetic field.

## **CHEMISTRY**

**BOOK-NCERT**  
**TEXT BOOK-CHEMISTRY**  
**PUBLISHERS-NCERT**

Chapter-2	Electrochemistry
Chapter-6	Haloalkanes and Haloarenes

## **BIOLOGY**

**TEXT BOOK-BIOLOGY**  
**PUBLISHERS-NCERT**

Chapter-4	Principles of Inheritance and Variation.
Chapter-5	Molecular Basis of Inheritance.

## **MATHEMATICS**

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

**Reference Book:** R. D. SHARMA

**Chapter 4- Determinants**

**Chapter 5- Continuity and Differentiability.**

**Chapter 6- Application of Derivatives.**

## **COMPUTER SCIENCE**

**Book- Computer Science with Python**

**Publisher- Sultan Chand**

S.NO	CHAPTER NUMBER	CHAPTER NAME
1.	Unit I	Revision of Python topics covered in Class XI
2.	Unit I	Functions
3.	Unit I	Exception Handling
3.	Unit II	Computer Network
4.	Unit III	Database Concept and My SQL

## **PHYSICAL EDUCATION**

Ch.4	Physical education and sports for CWSN
Ch.5	Sports and Nutrition

## **PSYCHOLOGY**

Ch.3	Meeting Life Challenges
Ch.6	Attitude and Social Cognition

## **FINE ARTS**

**Book- Panoramic Indian painting**

**Publication – Vishal publication**

### **CLASS TEST -3**

S.NO.	CHAPTER	CHAPTER NAME
1	Chapter-1	The Rajasthani Schools of Miniature Painting
2	Chapter -2	The Pahari Schools of Miniature Painting

**हिन्दी (ऐच्छिक) (कोड संख्या -002)**

**कक्षा- बारहवीं**

**पाठ्यपुस्तक – 1. अंतरा भाग-2 (NCERT )**

**2. अंतराल भाग-2 (NCERT)**

**3. अभिव्यक्ति और माध्यम (NCERT)**

अंतरा भाग -2	
अंतरा काव्य	तुलसीदास - (क) भरत राम का प्रेम (ख) पद सूर्यकांत त्रिपाठी 'निराला' - (ख) सरोज स्मृति
अंतरा गद्य	पंडित चंद्रधर शर्मा गुलेरी - सुमिरिनी के मनके फणीश्वरनाथ 'रेणु' - संवदिया
अंतराल भाग-2	
1.	सूरदास की झोंपड़ी (प्रेमचंद)
अभिव्यक्ति और माध्यम	
	पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया
लेखन कौशल	नए और अप्रत्याशित विषयों पर लेखन
	अपठित पद्यांश

## MUSIC

Raga Lakshanas - Todi, Gowla, Nata, Sri, Saveri, Ritigowla, purvikalyani, keeravani, kedaragoula, pantuvarali, Mohanam