

ST. THOMAS SCHOOL, LONI
SYLLABUS (HALF YEARLY EXAMINATION) (2025-26)
CLASS-XII A & B

SUBJECT- CHEMISTRY (043)

Chapter-1	Solutions
Chapter-2	Electrochemistry
Chapter-6	Haloalkanes and Haloarenes
Chapter-7	Alcohols Phenols and Ethers
Chapter-8	Aldehydes, Ketones and Carboxylic acids
Chapter-10	Biomolecules

SUBJECT- PHYSICS

S.NO	CHAPTER NUMBER	CHAPTER NAME
1.	Chapter - 1	Electric Charges and Fields
2.	Chapter - 2	Electric Potential and Capacitance
3.	Chapter -3	Current Electricity
4.	Chapter - 4	Moving Charges and Magnetism
5.	Chapter - 5	Magnetism and Matter
6.	Chapter - 6	Electromagnetic Induction
7.	Chapter -7	Alternating Current
8.	Chapter - 8	Electromagnetic Waves

SUBJECT- BIOLOGY

Chapter-1	Sexual Reproduction in Flowering Plants
Chapter-2	Human Reproduction
Chapter-3	Reproductive Health
Chapter-4	Principles of Inheritance and Variation
Chapter-5	Molecular Basis of Inheritance
Chapter-6	Evolution
Chapter-7	Human Health and Diseases
Chapter-9	Biotechnology: Principles And Processes

Chapter-10	Biotechnology And Its Applications
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SUBJECT- ENGLISH

Textbooks- FLAMINGO

VISTAS

(SUPPLEMENTARY READER)

Publisher- NCERT

Reading Comprehension-

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

Creative Writing Skills

1. Notice
2. Letter to the editor
3. Article Writing
4. Report Writing

Book- Flamingo

1. The Last Lesson
2. Deep Water
3. Lost Spring
4. Rattrap
5. Indigo

Book- Vistas

1. The Tiger King
2. The Enemy
3. The Third Level
4. Journey to the end of the Earth

Poem

1. My Mother at Sixty-Six
2. Keeping Quiet
3. A Thing of Beauty
4. A Roadside Stand
5. Aunt Jennifer's Tigers

SUBJECT- MATHEMATICS

Chapter-1 :Relation and Function

Chapter -2:Inverse Trigonometric Function

Chapter -3: Matrices

Chapter -4: Determinants

Chapter-5: Continuity and Differentiability

Chapter-6: Application of Derivatives

Chapter-7: Integrals

Chapter-8: Application of Integration

SUBJECT- PHYSICAL EDUCATION

S.NO	CHAPTER NUMBER	CHAPTER NAME
1.	CHAPTER -1	Management of Sporting Events
2.	CHAPTER 2	Children and Women in Sports
3.	CHAPTER 3	Yoga as Preventive measure for Lifestyle Disease
4	CHAPTER 4	Physical Education & Sports for (CWSN)
5	CHAPTER 5	Sports & Nutrition

SUBJECT- CARNATIC MUSIC**TEXT BOOK- SOUTH INDIAN MUSIC BOOK BY SAMBAMOORTHY****PUBLISHER- INDIAN MUSIC PUBLISHING HOUSE, MADRAS**

S.NO	TOPICS
1.	BIOGRAPHIES – ANNAMACHARYA, KSHETRAJNA, SWATI TIRUNAL, GOPAL KRISHNA BHARATI, PATNAM SUBHRAMANYA IYER, MYSORE VASUDEVACHAR, RAMNAD SRINIVASA IYENGAR, MAHA VAIDYANATH IYER
2.	LAKSHANA GRANDHAS – SANGITA SARAMRITA, SANGITA SAMPRADAYA PRADARSHINI, SVARAMELAKALANIDHI, RAGA VIBODHA, BRIHADSESI
3.	MUSICAL FORMS – KRITI, PADAM, JAVALI, TIRUPPUGAZH, RAGAMALIKA
4.	RAGA CLASSIFICATION
5.	CLASSIFICATION OF MUSICAL INSTRUMENTS
6.	RAGA LAKSHANAS – MOHANAM, PANTUVARALI, KEERAVANI, KEDARAGOULA, TODI, NATA, GOULA, SRI, SAVERI, RITIGOULA
7.	DEFINITION - JANAKA RAGA, JANYA RAGA, UPANGA, VARJA, VAKRA RAGAS, ARUDI, EDUPPU, PRABHANDHAM, GRAMA, MURCHANA, JAATI
8.	MANODHARMA SANGITAM
9.	DRAW TANPURA AND EXPLAIN IT'S PARTS
10.	RAGA LAKSHANAS – MOHANAM, PANTUVARALI, KEERAVANI, KEDARAGOULA, TODI, NATA, GOULA, SRI, SAVERI, RITIGOULA
11.	BRIEF DESCRIPTION OF CONCERT INSTRUMENTS, THEIR CONSTRUCTION AND TECHNIQUES OF PLAYING

SUBJECT- COMPUTER SCIENCE

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
4.	Unit I	Stack
5.	Unit I	File Handling
6.	Unit II	Computer Networks
7.	Unit III	Database Concept, SQL

SUBJECT- FINE ARTS

Chapter - 1	The Rajasthani Schools of Miniature Painting
Chapter -2	The Pahari Schools of Miniature Painting
Chapter -3	The Mughal Schools of Miniature Painting
Chapter- 4	The Deccan Schools of Miniature Painting

SUBJECT- HINDI**पाठ्यपुस्तक – 1. अंतरा भाग-2 (NCERT)****2. अंतराल भाग-2 (NCERT)****3. अभिव्यक्ति और माध्यम (NCERT)**

अंतरा भाग -2	
काव्य खंड	
1.	जयशंकर प्रसाद - (क) देवसेना का गीत (ख) कार्नेलिया का गीत
2.	सूर्यकांत त्रिपाठी 'निराला' (ख) सरोज स्मृति
3.	सच्चिदानंद हीरानंद वात्स्यायन 'अज्ञेय' (क) यह दीप अकेला (ख) मैंने देखा , एक बूँद
7.	तुलसीदास - (क) भरत राम का प्रेम (ख) पद
8.	मलिक मुहम्मद जायसी - बारहमासा

गद्य खंड	
1.	रामचंद्र शुक्ल - प्रेमघन की छाया - स्मृति
2.	पंडित चंद्रधर शर्मा गुलेरी - सुमिरिनी के मनके
4.	फणीश्वरनाथ 'रेणु' - संवदिया
5.	भीष्म साहनी - गाँधी, नेहरू और यास्सेर अराफात
10.	हज़ारी प्रसाद द्विवेदी - कुटज
अंतराल भाग-2	
1.	सूरदास की झोंपड़ी (प्रेमचंद)
2.	बिस्कोहर की माटी (विश्वनाथ त्रिपाठी)
अभिव्यक्ति और माध्यम	
1.	विभिन्न माध्यमों के लिए लेखन
2.	पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया
5.	विशेष लेखन स्वरूप और प्रकार
9.	नए और अप्रत्याशित विषयों पर लेखन
लेखन कौशल	अपठित गद्यांश - पद्यांश

SUBJECT- PSYCOLOGY

Textbook – NCERT

CH. NO.	CHAPTER NAME
1.	Variations in Psychological Attributes
2.	Self and Personality
3.	Meeting Life Challenges
4.	Psychological Disorders
6.	Attitude and Social Cognition