

**ST. THOMAS SCHOOL KIDWAI NAGAR KANPUR**  
**CLASS XI**  
**YEARLY SYLLABUS 2024-25**  
**CHEMISTRY**

**1<sup>st</sup> UNIT:-**

Chapter 2. Structure of Atom

Chapter 3. Periodic Table

**HALF-YEARLY:-**

Chapter 1. Some Basic Concept of Chemistry

Chapter 2. Structure of Atom

Chapter 3. Periodic Table

Chapter 4. Chemical Bonding

Chapter 5. Redox Reaction

**2<sup>nd</sup> UNIT:-**

Chapter 1. Some Basic Concepts of Chemistry

Chapter 5. Redox Reactions

Chapter 8. General Organic Chemistry

**FINAL EXAMINATION:-** Full Syllabus

**ENGLISH LANGUAGE**

**UNIT – I**

1. Report writing

2. Phrasal verbs

3. Tenses

4. Transformation of Sentences

**HALF YEARLY EXAMINATION**

1. Composition

2. Report Writing

3. Proposal writing

4. Transformation of Sentences

5. Phrasal Verbs/Prepositions

6. Tenses

7. Comprehension

**UNIT-II**

1. Proposal writing

2. Phrasal verb

3. Tenses
4. Transformation of Sentences

### **FINAL EXAMINATION**

1. Composition
2. Report Writing
3. Proposal writing
4. Transformation of Sentences
5. Phrasal Verbs/Prepositions
6. Tenses
7. Comprehension

### **LITERATURE IN ENGLISH**

#### **UNIT – I**

Story : Lesson 1 (A Living God)

Poems : Lesson 1 (Abhisara)

Play : Act I Scene 1 and 2

#### **HALF YEARLY EXAMINATION**

Story : Lesson 1 (A Living God)

Lesson 2 (Advice to Youth)

Poems : Lesson 1 (Abhisara)

Lesson 2 (Why I Like The Hospital)

Play : Act I Scene 1,2,3,4, 5,6 &7.

#### **UNIT-II**

Story : Lesson 3 (The Paper Menagerie)

Poem : Lesson 3 (Sonnet 116)

Play : Act I scene 6 and 7; Act II Scene 1

#### **FINAL EXAMINATION**

Story : Lesson 1 (A Living God)

Lesson 2 (Advice to Youth)

Lesson 3 (Paper Menagerie )

Lesson 4 (The Great Automatic Grammatizator)

Lesson 5 (Thank You, Ma'am)

Poems : Lesson 1 (Abhisara)

Lesson 2 (Why I Like The Hospital)

Lesson 3 (Sonnet 116)

Lesson 4 (Death of a Naturalist)

Lesson 5 (Strange Meeting)

Play : Act I & Act II

## HINDI

### **Unit – 1:**

काव्य मंजरी.साखी गद्य संकलन.पुत्र प्रेम। व्याकरण.वाक्य शुद्धि मुहावरे एवं लोकोक्तियां।

Half yearly examination:

काव्य मंजरी.साखी, बाल लीला ,एक फूल की चाह । गद्य संकलन.पुत्र प्रेम, गौरी, शरणागत। आषाढ़ का एक दिन नाटक अंक एक व्याकरण.निबंध, अपठित गद्यांश, वाक्य शुद्धि ,मुहावरे. लोकोक्तियां

### **Unit – 2:**

काव्य मंजरी.साखी, बाल लीला ,एक फूल की चाह, यह धरती कितना देती है। गद्य संकलन.पुत्र प्रेम, गौरी, शरणागत, सती आषाढ़ का एक दिन (नाटक) – अंक दो व्याकरण.वाक्य शुद्धि मुहावरे लोकोक्तियां।

### **Final examinations:**

काव्य मंजरी.साखी,बाल लीला, एक फूल की चाह, यह धरती कितना देती है, नदी के द्वीप। गद्य संकलन.पुत्र प्रेम, गौरी, शरणागत, सती ,आउटसाइडर । आषाढ़ का एक दिन नाटक (संपूर्ण नाटक) व्याकरण. निबंध अपठित गद्यांश वाक्य शुद्धि मुहावरे एवं लोकोक्तियां।

## PHYSICS

### **Unit 1**

01 Physical World

02 Units

03 Error Analysis and Significant figures

04 Dimension Analysis

05 Motion in Straight Line

06 Motion in a Plane

07 Projectile Motion

### **Half yearly Syllabus:**

01 Physical World

02 Units

03 Error Analysis and Significant figures

04 Dimension Analysis

05 Motion in Straight Line

06 Motion in a Plane

07 Projectile Motion

08 Newton's Laws of Motion

09 Friction

10 Uniform Circular Motion

- 11 Work energy and Power
- 12 Centre of mass
- 13 Rotational Motion of rigid Body: Moment of inertia
- 14 Gravitational (1,2)
- 15 Elasticity
- 16 Fluid Pressure
- 17 Flow of Liquids
- 18 Surface Tension

## **Unit -2**

- 01 Thermal Expansion: Calorimetry
- 02 Heat Transfer
- 03 Thermodynamics
- 04 Isothermal and Adiabatics Thermodynamics Process
- 05 Second Law of thermodynamics
- 06 Behavior of Ideal Gas and Kinetic Theory of gases

## **Final Syllabus :**

- 01 Physical World
- 02 Units
- 03 Error Analysis and Significant figures
- 04 Dimension Analysis
- 05 Motion in Straight Line
- 06 Motion in a Plane
- 07 Projectile Motion
- 08 Newton's Laws of Motion
- 09 Friction
- 10 Uniform Circular Motion
- 11 Work energy and Power
- 12 Centre of mass
- 13 Rotational Motion of rigid Body: Moment of inertia
- 14 Gravitational (1,2)
- 15 Elasticity
- 16 Fluid Pressure
- 17 Flow of Liquids
- 18 Surface Tension
- 19 Thermal Expansion: Calorimetry
- 20 Heat Transfer
- 21 Thermodynamics
- 22 Isothermal and Adiabatics Thermodynamics Process
- 23 Second Law of thermodynamics
- 24 Behavior of Ideal Gas and Kinetic Theory of gases

- 25 Simple Harmonic Motion
- 26 Free, Damped and forced Oscillations
- 27 Mechanical Waves
- 28 Progressive waves
- 29 Superposition of waves -1 Interference and beats
- 30 Superposition of waves -2 Stationary Waves and Vibration of Air column
- 31 Vibration of Stretched Strings
- 32 Doppler effect

## **COMPUTER SCIENCE**

### **Unit - 1**

Ch 1. Data Representation (Number Systems)

### **Half Yearly Examination**

Ch 1. Data Representation (Number Systems)

Ch 2. Encoding

Ch 3. Propositional Logic, Hardware Implementation and Arithmetical Operations (Unit I and Unit II)

Ch 4. Introduction to Java Language (Unit I, Unit II and Unit III)

Ch 5. Concept of Data Types

Ch 6. Operators and Expressions

Ch 7. Conditional and Looping Statements

Ch 8. Methods and Constructors (Unit I and Unit II)

Ch 9. Character Handling and String Manipulations

Ch10. Array: Single and Double Dimensional

### **UNIT-2**

Ch 12. Recursion

### **Final Examinations**

Ch 1. Data Representation (Number Systems)

Ch 2. Encoding

Ch 3. Propositional Logic, Hardware Implementation and Arithmetical Operations (Unit I and Unit II)

Ch 7. Conditional and Looping Statements

Ch 8. Methods and Constructors (Unit I and Unit II)

Ch 9. Character Handling and String Manipulations

Ch10. Array: Single and Double Dimensional

Ch 11. Basic Input/output Data File Handling

Ch 12. Recursion

Ch 13. Implementation of Algorithms to solve problems.

Ch 15. Trends in Computing and Ethical Issues

## **BIOLOGY**

### **UNIT-I**

- CH-17 Breathing and Exchange of Gases
- CH-18 Body Fluids and Circulation
- CH-19 Excretory Products and Their Elimination
- CH-20 Locomotion and Movement

### **HALF-YEARLY**

- CH-13 Photosynthesis in Higher Plants
  - CH-14 Respiration in Plants
  - CH-21 Neural Control and Coordination
  - CH-22 Chemical Coordination and Control
- + UNIT-I

### **UNIT-II**

- CH-5 Morphology of Flowering Plants
- CH-7 Structural Organization in Flowering Plants
- CH-8 Cell: The Unit of Life
- CH-9 Biomolecules
- CH-10 Cell Cycle and Cell Division

### **ANNUAL EXAMINATION**

- CH-1 The Living World
  - CH-2 Biological Classification
  - CH-3 Plant Kingdom
  - CH-4 Animal Kingdom
  - CH-6 Anatomy of Flowering Plants
- +UNIT-I + HALF YEARLY + UNIT-II

## **MATHS**

### **Unit 1 ---**

- Chapter 3 - Trigonometry & Properties of Triangle
- Chapter 13 - Limits & Derivatives

### **Half yearly**

- Chapter 3 - Trigonometry & Properties of Triangle
- Chapter 4 - Mathematical Induction
- Chapter 6 - Quadratic equations
- Chapter 7 - Linear inequalities
- Chapter 8 - Permutations and combinations
- Chapter 9 - Binomial theorem
- Chapter 10 - Sequences and series
- Chapter 13 - Limits & Derivatives
- Chapter 14 - Statistics

### **Unit 2**

- Chapter 1 - Sets
- Chapter 11 - Straight Lines

### **Finals ( Full course)**

Chapter 2 - Relations and Functions  
Chapter 5 - Complex Numbers  
Chapter 12 - Circles  
Chapter 15 - Probability  
( SECTION - B)  
Chapter 1--- Conic sections  
Chapter 2---- Three dimensional geometry  
Chapter 3--- Mathematical reasoning  
( SECTION - C)  
Chapter 1--- Statistics  
Chapter 2--- Correlation analysis  
Chapter 3--- Index numbers and moving averages

### **VALUE EDUCATION**

#### **UNIT 1**

Chapter 1. My Family  
Chapter 2. You and Your Appearance  
Chapter 3. Know Your Personality

#### **HALF YEARLY EXAMINATION**

Chapter 1. My Family  
Chapter 2. You and Your Appearance  
Chapter 3. Know Your Personality  
Chapter 4. Sense of the Divine  
Chapter 5. Ambition  
Chapter 6. Stress Management  
Chapter 7. No Smoking  
Chapter 8. The Pandemic

#### **UNIT 2**

Chapter 9. Nurture Nature for Future  
Chapter 10. Responsible Citizen  
Chapter 11. Respecting Others

#### **FINAL EXAMINATION**

Chapter 1. My Family  
Chapter 2. You and Your Appearance  
Chapter 3. Know Your Personality  
Chapter 4. Sense of the Divine  
Chapter 5. Ambition  
Chapter 6. Stress Management  
Chapter 7. No Smoking  
Chapter 8. The Pandemic

- Chapter 9. Nurture Nature for Future
- Chapter 10. Responsible Citizen
- Chapter 11. Respecting Others
- Chapter 12. Dignity of Labour
- Chapter 13. Conviction Versus Convenience
- Chapter 14. 21<sup>st</sup> Century Skills

## **COMMERCE**

### **UNIT 1**

- Nature and objective of business Classification of business activity
- Classification of human activity Nature and objectives of business
- Classification of business activity
- Introduction to business organization

### **HALF YEARLY EXAMINATION**

- Classification of human activity Nature and objectives of business
- Classification of business activity
- Introduction to business organization
- Sole trader & Partnership
- Joint stock company
- Types of companies
- Formation of a company
- Cooperative organisation
- Social responsibilities of business and ethics
- Stock exchange

### **UNIT 2**

- E business and outsourcing
- Wholesalers and retailers
- Import and export trade
- Insurance Types of insurance

### **FINAL EXAMINATION**

- All the about topics of half yearly and second term

## **ACCOUNTS**

### **UNIT 1**

- Introduction to accounting
- Basic accounting terms
- Accounting equation

### **HALF YEARLY EXAMINATION**

- Introduction to accounting
- Basic accounting terms
- Accounting equation
- Journal Ledger



- Cash book and petty cash book
- GST & Trial balance
- Bank reconciliation statement

## **UNIT 2**

- Depreciation
- Bills of exchange
- Capital and revenue expenditure
- Final account
- Final account with adjustment.
- Single entry system.
- Errors and rectifications.

## **FINAL EXAMINATION**

- All the topics of 2nd unit and half yearly

## **ECONOMICS**

### **UNIT I :**

- CH-1 Definition of Economics
- CH-2 Basic Concepts of Economics
- CH-18 Measures of Central Value ( mean, median)
- HALF-YEARLY EXAMINATION
- CH-1 Definition of Economics
- CH-2 Basic concepts of economics
- CH-3 Basic Problem of economy
- CH-4 Types of economics
- CH-5 Solution of the basic problem under different economic system
- CH-6 Parameters Development
- CH 7 Economic growth and development
- CH 8 Sustainable Development
- CH-9 Planning and development in India.
- CH-10 Indian Economy Post Liberalisation
- CH-18 Measures of Central Value
- CH- 20 Correlation

### **UNIT II**

- CH-10 Indian Economy Post Liberalisation
- CH-11 Structural changes in the Indian economy after liberalisation
- CH-19 Measures of Dispersion

## **FINAL EXAMINATION**

- CH-1 Definition of Economics
- CH-2 Basic Concepts of economics
- CH-3 Basic problem of economy
- CH-4 Types of economics

- CH-5 Solution of the basic problem under different economic system
- CH-6 Economic growth and development
- CH-7 Parameters development
- CH-8 Sustainable development
- CH-9 Planning and development in India
- CH-10 Indian Economy Post Liberalisation
- CH-11 Structural changes in Indian economy after liberalisation
- CH-12 The problem of poverty of an economy
- CH-13 Profile of Indian agriculture Rural development
- CH-14 Human capital formation in India
- CH-15 Employment and unemployment in India
- CH-18 Measures of Central Value
- CH-19 Measure of dispersion
- CH-20 Correlation
- CH-21 Index Number

\*\*\*\*\*