

**ST.THOMAS SCHOOL KIDWAI NAGAR KANPUR**  
**CLASS IX**  
**YEARLY SYLLABUS 2022-23**

**UNIT I**

साहित्य सागर- बात अठन्नी की, काकी, साखी, गिरिधर की कुण्डलियां  
व्याकरण – पत्र, विलोम, पर्याय, भाववाचक संज्ञा, सर्वनाम, तद्भव -तत्सम, विशेषण, लिंग, वचन, शुद्ध -  
अशुद्ध, मुहावरे, लोकोक्तियां, वाक्यांश के लिए एक शब्द, वाक्य परिवर्तन

**HALF YEARLY EXAMINATION**

साहित्य सागर (संक्षिप्त कहानियाँ )

बात अठन्नी की, काकी महायज्ञ का पुरस्कार, नेता जी का चश्मा,  
पद्य भाग

साखी, गिरिधर की कुंडलियाँ, स्वर्ग बना सकते हैं, वह जन्मभूमि मेरी,  
व्याकरण

निबंध, पत्र, अपठित गद्यांश, तद्भव -तत्सम, लिंग, वचन, संज्ञा, सर्वनाम, विशेषण, विलोम, पर्याय, शुद्ध  
-अशुद्ध, वाक्यांश के लिए एक शब्द, वाक्य परिवर्तन

**II Unit**

साहित्य सागर-संक्षिप्त कहानियां-बात अठन्नी की, काकी, महायज्ञ का पुरस्कार, नेताजी का चश्मा, बड़े  
घर की बेटी, पद्य भाग-साखी, गिरिधर की कुंडलियां, स्वर्ग बना सकते हैं, वह जन्मभूमि  
मेरी, मेघ आए। व्याकरण- (Same as I Unit)

**FINAL EXAMINATION.**

साहित्य सागर -संक्षिप्त कहानियां- बात अठन्नी की, काकी, नेता जी का चश्मा महायज्ञ का पुरस्कार, बड़े  
घर की बेटी, अपना-अपना भाग्य पद्य भाग-साखी गिरिधर की कुंडलियां, स्वर्ग  
बना सकते हैं, वह जन्मभूमि मेरी, मेघ आए, भिक्षुक व्याकरण-(same as half yearly  
examination )

**MATHS**

**Unit 1-----**

Chapter 4 - Expansions

Chapter 5 - Factorisation

Chapter 2 - Compound interest without using formula

**Half yearly -----**

Chapter 2 - Compound interest without using formula

Chapter 3 - Compound interest using formula

Chapter 4 - Expansions

Chapter 5 - Factorisation

Chapter 6 - Linear equations

Chapter 7 - Indices

Chapter 22 - Trigonometric Ratios

Chapter 23 - Trigonometric Ratios of Standard Angles

Chapter 24 - Solution of Right Triangles

Chapter 25 - Complementary Angles

Chapter 28 - Distance Formula

Chapter 8 - Logarithms

**Unit 2 -----**

Chapter 19 - Mean and Median

Chapter 20 - Area and Perimeter of plane figure

Chapter 21 - Solids

**Final Exam---( Full course) (all the chapters of half yearly and unit 2 are also included)**

Chapter 1 - Rational and Irrational Numbers

Chapter 9 - Triangles

Chapter 10 - Isosceles triangles

Chapter 12 - Mid point theorem and its converse

Chapter 13 - Pythagoras Theorem

Chapter 14 - Rectilinear Figure

Chapter 15 - Construction of polygons

Chapter 17 - Circle

Chapter 18 - Statistics

Chapter 26 - Co-ordinate geometry

Chapter 27 - Graphical solutions

**GEOGRAPHY**

**UNIT I**

CH-1 Earth as a planet

CH 2 Latitudes and Longitudes

**HALF-YEARLY EXAMINATION:**

CH-2 Latitudes and Longitude

CH- 3 Rotation and Revolution

CH-4 Earth's Structure

CH-5 Landforms of the Earth

CH-6 Rocks and Rock Cycle

CH-7 Volcanoes

CH- 8Earthquakes

CH-9 Weathering and Denudation

CH-10 Tides and Ocean Currents

CH-11 Composition and structure of the atmosphere

Map Work

Water bodies

Rivers

Mountain

Plateaus

**UNIT II:**

CH-12 Insolation

CH 13 Atmospheric Pressure and winds

**FINAL EXAMINATION:**

CH-2 Latitudes and Longitudes

CH-3 Rotation and Revolution

CH-4 Earth's Structure

CH- 5 Landforms of the Earth

CH-6 Rock and Rock Cycle  
CH-7 Volcanoes  
CH-8 Earthquakes  
CH-9 Weathering and denudation  
CH-10 Tides and ocean currents  
CH-11 Composition and structure of the atmosphere  
CH-12 Insolation  
CH-13 Atmospheric pressure and winds  
CH-14 Humidity  
CH-15 Pollution: types and sources  
CH-16 Effects of pollution  
CH-17 Pollution preventive measures  
CH-18 Natural Regions of the World  
Map Work  
Water bodies  
River plains  
Mountain  
Plateau

## **HISTORY CIVICS**

### **Unit I:**

Chapter 1 – The Harappan Civilisation (H)

Chapter 2 – The Vedic Age (H)

Chapter 13 – The Indian Constitution (C)

### **Half Yearly:**

Chapter 1 – The Harappan Civilisation (H)

Chapter 2 – The Vedic Age (H)

Chapter 3 – Jainism & Buddhism (H)

Chapter 4 – Mauryas – The First Empire (H)

Chapter 5 – The Sangam Age (H)

Chapter 13 – The Indian Constitution (C)

Chapter 14 – Salient Features of the Indian Constitution (C)

Chapter 15 – Elections (C)

### **Unit II:**

Chapter 16 – Local Self Government (C)

Chapter 6 – The Gupta Period (H)

Chapter 7 – The Chola Empire (H)

### **Final:**

Chapter 1 – The Harappan Civilisation (H)

Chapter 2 – The Vedic Age (H)

Chapter 3 – Jainism & Buddhism (H)

Chapter 4 – Mauryas – The First Empire (H)

Chapter 5 – The Sangam Age (H)

Chapter 6 – The Gupta Period (H)

Chapter 7 – The Chola Empire (H)

Chapter 8 – The Delhi Sultanate (H)

Chapter 9 – The Mughal Empire (H)

Chapter 10 – The Emergence of Composite Culture (H)  
Chapter 11 – Renaissance & Reformation (H)  
Chapter 12 – The Industrial Revolution (H)  
Chapter 13 – The Indian Constitution (C)  
Chapter 14 – Salient Features of the Indian Constitution (C)  
Chapter 15 – Elections (C)  
Chapter 16 – Local Self Government (C)

### **COMPUTER**

**UNIT – I** Lesson 1: Introduction to Object Oriented Programming Concepts  
Lesson 3: Values and Data Types  
Lesson 4: Operators and Expressions in Java

**Half Yearly** Lesson 3: Values and Data Types  
Lesson 4: Operators and Expressions in Java  
Lesson 6: Input in Java (Scanner Class)  
Lesson 7: Mathematical Library Methods  
Lesson 8: Conditional Constructs in Java (Decision Making Statements)

**UNIT – II** Lesson 2: Elementary Concept of Objects and Classes  
Lesson 5: Classes and Methods (or Functions)  
Lesson 8: Conditional Constructs in Java (Decision Making Statements)

**Final Exam** Lesson 4: Operators and Expressions in Java  
Lesson 7: Mathematical Library Methods  
Lesson 8: Conditional Constructs in Java (Decision Making Statements)  
Lesson 9: Iterative Constructs in Java (The Non-Nested Loops or Iteration)  
Lesson 10: Nested Iteration In Java (The Nested for() Loops)  
Lesson 11: Computing and Ethics

### **CHEMISTRY**

**UNIT 1::**  
CHAPTER 1. The Language of Chemistry  
CHAPTER 2. Chemical Changes and Reactions

**HALFY EARLY EXAMINATION::**  
CHAPTER 1. The Language of Chemistry  
CHAPTER 2. Chemical Changes and Reactions  
CHAPTER 3. Water  
CHAPTER 4. Atomic Structure and Chemical Bonding

**UNIT 2::**  
CHAPTER 4. Atomic Structure and Chemical Bonding  
CHAPTER 5. The Periodic Table

**FINAL EXAMINATION::**  
CHAPTER 1. The Language of Chemistry  
CHAPTER 2. Chemical Changes and Reactions  
CHAPTER 3. Water  
CHAPTER 4. Atomic Structure and Chemical Bonding  
CHAPTER 5. The Periodic Table  
CHAPTER 6. Study of first element- Hydrogen  
CHAPTER 7. Study of Gas Laws

### **BIOLOGY**

## **Unit 1**

- Chapter 1 Introducing Biology.
- Chapter 2 Cell : The unit of life.
- Chapter 3 Tissues – Plant and animal tissues.
- Chapter 4 The flower.

## **Half Yearly**

- Chapter 1 Introducing Biology.
- Chapter 2 Cell : The unit of life.
- Chapter 3 Tissues - Plant and animal tissues.
- Chapter 4 The flower.
- Chapter 5 Pollination and Fertilization.
- Chapter 6 Seeds - Structure and germination.
- Chapter 7 Respiration in plants.
- Chapter 8 Five Kingdom classification.
- Chapter 9 Economic importance of bacteria and Fungi.

## **Unit 2**

- Chapter 10 Nutrition.
- Chapter 11 Digestive system.
- Chapter 12 Skeleton – Movement and locomotion.
- Chapter 13 Skin – ‘The Jack of all trades’.

## **Annual Examination**

- Chapter 1 Introducing Biology.
- Chapter 2 Cell : the unit of life.
- Chapter 3 Tissues – Plant and animal tissues.
- Chapter 4 The flower.
- Chapter 5 Pollination and fertilization.
- Chapter 6 Seed - structure and germination.
- Chapter 7 Respiration in plants.
- Chapter 8 Five kingdom classification .
- Chapter 9 Economic importance of bacteria and fungi.
- Chapter 10 Nutrition.
- Chapter 11 Digestive system.
- Chapter 12 Skeleton - Movement and locomotion.
- Chapter 13 Skin - ' The jack of all trades' .
- Chapter 14 The Respiratory system.
- Chapter 15 Hygiene [ A key to healthy life ].
- Chapter 16 Diseases - Causes and control.
- Chapter 17 Aids to health.
- Chapter 18 Health Organisation.
- Chapter 19 Waste generation and Management.

## **VALUE EDUCATION**

## **Unit 1**

- Chapter 1 Keep Calm.
- Chapter 2 Draw the line.
- Chapter 3 Manage your time.

## **Half yearly**

Chapter 1 Keep Calm.  
Chapter 2 Draw the line.  
Chapter 3 Manage your time.  
Chapter 4 Do your best.  
Chapter 5 keep your word.  
Chapter 6 End conflict.

## **Unit 2**

Chapter 7 Deal with criticism.  
Chapter 8 Make Right decisions.  
Annual examination  
Chapter 1 Keep Calm.  
Chapter 2 Draw the line.  
Chapter 3 Manage your time.  
Chapter 4 Do your best.  
Chapter 5 Keep your word.  
Chapter 6 End conflicts.  
Chapter 7 Deal with criticism.  
Chapter 8 Make Right Decisions.  
Chapter 9 The making of a leader.  
Chapter 10 Connect with the community.

## **PHYSICS**

### **UNIT 1**

Ch-1 Measurement and Experimentation  
Ch-2 Motion in one dimension  
Ch-3 Laws of motion

### **HALF YEARLY EXAMINATION**

Ch-1 Measurement and Experimentation  
Ch-2 Motion in one dimension  
Ch-3 Laws of motion  
Ch-4 Fluids

### **UNIT 2**

Ch-5 Heat and energy  
Ch-6 Light

### **FINAL EXAMINATION**

Ch-1 Measurement and experimentation  
Ch-2 Motion in one dimension  
Ch-3 Laws of motion  
Ch-4 Fluids  
Ch-5 Heat and energy  
Ch-6 Light  
Ch-7 Sound  
Ch-8 Electricity and magnetism

## **ENGLISH LITERATURE** **The Merchant of Venice**

### **UNIT 1**

Act I Scene

**HALF YEARLY EXAMINATION I**

Act I Scene 1,2 and 3

Act II Scene 1&2

**UNIT 2**

Act II Scene 3,4,5 and 6

**FINAL EXAMINATION**

Act I Scene 1,2 and 3

Act II Scene 1, 2,3,4,5,6,7,8 and 9

Act III Scene 1

Short Stories-

**UNIT 1**

Lessons 1, 2

**HALF YEARLY EXAMINATION**

Lessons 1, 2,3 and 4

**UNIT 2**

Lessons 4 and 5

**FINAL EXAMINATION**

Lessons 1, 2,3,4,5 and 6

Poetry

**UNIT 1**

Lessons 1

**HALF YEARLY EXAMINATION**

Lessons 2, 3, 4 and 5

**UNIT 2**

Lessons 4, 5 and 6

**FINAL EXAMINATION**

Lessons 1,2,3,4,5 and 6

**ENGLISH LANGUAGE**

**UNIT 1**

1) Letters

2) Tenses

3) Prepositions

4) Transformation of Sentences

**HALF YEARLY EXAMINATION**

1) Composition

2) Letters

3) Notice

4) Email

5) Comprehension

6) Tenses

7) Prepositions

8) Transformation of Sentences

9) Synthesis of Sentences

**UNIT 2**

1) Letters

2) Tenses

- 3) Prepositions
- 4) Transformation of Sentences
- 5) Synthesis of Sentences

**FINAL EXAMINATION**

- 1) Composition
- 2) Letters
- 3) Notice
- 4) Email
- 5) Comprehension
- 6) Tenses
- 7) Prepositions
- 8) Transformation of Sentences
- 9) Synthesis of Sentences

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