

**St. THOMAS SCHOOL KIDWAI NAGAR KANPUR**

**CLASS - XI**

**YEARLY SYLLABUS 2023-24**

**COMMERCE**

**UNIT I**

- 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 EXAMINATIONS**

- 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 II**

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

**FINAL EXAMINATIONS**

- All the about topics of half yearly and second term

**ACCOUNTS**

**UNIT I**

- Introduction to accounting
- Basic accounting terms
- Accounting equation

**HALF YEARLY EXAMINATIONS**

- Introduction to accounting
- Basic accounting terms
- Accounting equation
- Journal Ledger
- Cash book and petty cash book
- GST & Trial balance
- Bank reconciliation statement

**UNIT II**

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

## **FINAL EXAMINATIONS**

- All the topics of 2nd unit and half yearly

## **ECONOMICS**

### **UNIT I**

- CH-1 Microeconomics and Macroeconomics
- CH-19 Mean, Median and Mode

### **HALF YEARLY EXAMINATIONS**

- CH-1 Microeconomics and Macroeconomics
- 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-16 Definition, scope, importance and limitation of Statistics
- CH-18 Mean, Median and Mode
- CH- 21 Index Number

### **UNIT II**

- CH-9 Planning and development in India
- CH-11 Structural changes in the Indian economy after liberalisation
- CH-12 The problem of poverty of an economy
- CH-20 Correlation

### **FINAL EXAMINATIONS**

- CH-1 Microeconomics and Macroeconomics
- 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 Structural changes in 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 Mean, Median and Mode
- CH-19 Dispersion
- CH-20 Correlation
- CH-21 Index Number
- CH-22 Some mathematical tools used in economics

## COMPUTER SCIENCE

### **UNIT I**

Ch 1. Data Representation (Number Systems)

### **HALF YEARLY 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 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 II**

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

## CHEMISTRY

### **UNIT I**

**Chapter 1.** Some Basic Concept of Chemistry

**Chapter 2.** Structure of Atom

### **HALF YEARLY EXAMINATIONS**

**Chapter 1.** Some Basic Concept of Chemistry

**Chapter 2.** Structure of Atom

**Chapter 3.** Periodic Table

**Chapter 4.** Chemical Bonding

**Chapter 5.** Redox Reaction

### **UNIT II**

**Chapter 4.** Chemical Bonding

**Chapter 8.** General Organic Chemistry

### **FINAL EXAMINATIONS**

Full Syllabus

## ENGLISH LANGUAGE

### **UNIT I**

1. Report writing

2. Phrasal verbs

3. Tenses

4. Transformation of Sentences

## **HALF YEARLY EXAMINATIONS**

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 EXAMINATIONS**

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 EXAMINATIONS**

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 EXAMINATIONS**

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

## **BIOLOGY**

### **UNIT I**

CHAPTER-16 Digestion and Absorption

CHAPTER-17 Breathing and exchange of gases

CHAPTER-18 Body fluids and circulation

CHAPTER-19 Excretory product and their elimination.

### **HALF YEARLY EXAMINATIONS**

CHAPTER-11 Transport in plants  
CHAPTER-12 Mineral Nutrition  
CHAPTER-13 Photosynthesis in higher plants  
CHAPTER-14 Respiration in plants.  
CHAPTER-15 Plant growth and development  
CHAPTER-20 Locomotion and movement  
CHAPTER-21 Neural control and coordination  
CHAPTER-22 Chemical coordination and control  
+ I- UNIT

### **UNIT II**

CHAPTER-8 Cell: the unit of life  
CHAPTER-9 Biomolecule  
CHAPTER-10 Cell cycle and cell division  
CHAPTER-5 Morphology of following plants

### **FINAL EXAMINATIONS**

CHAPTER -1 The living world  
CHAPTER-2 Biological classification  
CHAPTER-3 Plant Kingdom  
CHAPTER-4 Animal Kingdom  
CHAPTER-6 Anatomy of following plants  
CHAPTER-7 Structural organisation in animals  
+ UT-1+ HALF YEARLY+ UT-II

## **HINDI**

### **UNIT I**

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

### **HALF YEARLY EXAMINATIONS**

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 II**

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।

## **MATHS**

### **UNIT I**

Chapter 4 --- Mathematical Induction  
Chapter 5--- Complex Numbers  
Chapter 6 ---- Quadratic Equations

### **HALF YEARLY EXAMINATIONS**

Chapter 3-- Trigonometry  
Chapter 4---- Mathematical induction  
Chapter 5 --- Complex number  
Chapter 6---- Quadratic equations  
Chapter 7---- Linear inequalities  
Chapter 8---- Permutations and combinations  
Chapter 9---- Binomial theorem  
Chapter 10---- Sequences and series

### **UNIT II**

Chapter 1--- sets

Chapter 2 --- Relations and Functions

Chapter 12--- Circles

**Finals (Full course)**

Chapter 2--- Relations and Functions

Chapter 11--- Straight lines

Chapter 12--- Circles

Chapter 13--- Limits and derivatives

Chapter 14--- Statistics

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

**PHYSICS**

**UNIT I**

01. Units Measurement and Error Analysis

02. Dimensional Analysis

03. Vector Analysis

04. Motion in a plane

05. Newton's laws of Motion

**HALF YEARLY EXAMINATIONS**

01. Units Measurement and Error Analysis

02. Dimensional Analysis

03. Motion in a plane

04. Vectors analysis

05. Newton's Laws of Motion

06. Friction

07. Uniform Circular Motion

08. Work, Energy and Power

09. Elasticity

10. Flow of liquids

11. Surface Tension

**UNIT II**

01. Heat Transfer

02. Thermodynamics

03. Centre of Mass

04. Rotational Motion of Rigid body

**FINAL EXAMINATIONS**

01. Units Measurement and Error Analysis

02. Dimensional Analysis

03. Motion in a plane

04. Vectors analysis

05. Newton's Laws of Motion

06. Friction

07. Uniform Circular Motion

08. Work Power Energy

09. Rotatory Motion

10. Universal Gravitation

11. Motion of Planets

12. Elasticity

13. Flow of Liquids
14. Surface Tension
15. Heat Transfer
16. Thermodynamics
17. Isothermal and adiabatic process
18. second law of thermodynamics
19. Kinetic Theory of Gases
20. Simple Harmonic Motion
21. Superposition of Waves
22. Vibration of stretched Strings

### **VALUE EDUCATION**

#### **UNIT I**

Chapter: 1&2

#### **HALF YEARLY EXAMINATIONS**

Chapter: 1, 2,3,4,5 & 6

#### **UNIT II**

Chapter: 7&8

#### **FINAL EXAMINATIONS**

Chapter: 1, 2,3,4,5,6,7,8,9,10 &11.

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