

St. THOMAS SCHOOL, KIDWAI NAGAR, KANPUR

CLASS - VIII

YEARLY SYLLABUS 2024-25

MATHEMATICS

Unit 1

- (i) Rational numbers
- (ii) Exponents and powers
- (iii) Square and square roots
- (iv) Operation on sets

Half-Yearly Examination

- (i) Exponents and powers
- (ii) Simple interest and compound interest
- (iii) Percentage and its applications
- (iv) Cubes and cube roots
- (v) Algebraic expressions
- (vi) Factorization
- (vii) Sets
- (viii) Rational numbers

Unit -2

- (i) Direct and inverse variation (including time and work)
- (ii) Linear equations and inequations.
- (iii) Circles

Final Examination (Full course) including

- (i) understating shapes
- (ii) Construction of quadrilaterals
- (iii) Mensuration
- (iv) Data handing
- (v) Linear equations and inequalities
- (vi) Factorisation
- (vii) Direct and inverse variation
- (viii) Simple and compound interest
- (ix) Percentage and its applications
- (x) Circles

BIOLOGY

FIRST UNIT TEST

Chapter 1- Transport in plants

HALF YEARLY

Chapter 1- Transport in plants

Chapter 2- Reproduction in plants

Chapter 3- Reproduction in animals

Chapter 4- Ecosystem

Chapter 5- Endocrine system and Adolescence

SECOND UNIT TEST

Chapter 6- The circulatory system

FINAL EXAMINATION

Chapter 4- Ecosystem

Chapter 5- Endocrine system and Adolescence
Chapter 6- The circulatory system
Chapter 7- Nervous system
Chapter 8- Diseases and First aid
Chapter 9- Food production

GEOGRAPHY

UNIT I:

CH-1 Representation of geographical features
CH-12 India: Human Resources

HALF-YEARLY EXAMINATION:

CH-2 Population Dynamics
CH-3 Migration and Urbanization
CH-4 Disasters- Natural and Human- made
CH-5 Asia- The largest continent – Political Division
CH- 6 Asia: Physical features
CH- 7 Asia: Climate, Natural Vegetation and Wildlife
CH-12 India: Human Resources
Map of Asia

UNIT II:

CH-7 India: Location and Extent
CH- 8 India: Physical Features

FINAL EXAMINATION:

CH-2 Population Dynamics
CH-3 Migration and Urbanization
CH-4 Disasters- Natural and Human- made
CH-5 Asia- The largest continent – Political Division
CH- 6 Asia: Physical features
CH- 7 Asia: Climate, Natural Vegetation and Wildlife
CH-8 India: Location and Extent
CH- 9 India: Physical Features
CH-10 India: Natural Vegetation and Wildlife
CH-11 India Climate
CH-12 India: Human Resources
Map of India

ENGLISH LANGUAGE

UNIT 1

Noun: Phrases and Clauses
Pronouns
Determiners
Formal Letter

HALF YEARLY EXAMINATION

Noun: Phrases and Clauses
Pronouns
Determiners
The Present Tense
The Past Tense
Future Time Reference
Modals

Essay, Letter writing, and Comprehension

UNIT 2

Finite and Non-Finite Verbs

Active & Passive voice

Adjectives

Letter Writing

FINAL EXAMINATION

Noun: Phrases and Clauses

Pronouns

Determiners

The Present Tense

The Past Tense

Future Time Reference

Direct & Indirect Speech

Adverbs

Prepositions

Conjunctions

Essay, Letter writing, and Comprehension

ENGLISH LITERATURE

UNIT 1

- The Blue Carbuncle.
- The Lake of Isle of Innisfree
- The First Pup

HALF YEARLY EXAMINATION

- The Blue Carbuncle.
- The Lake of Isle of Innisfree
- The First Pup
- I Remember, I Remember.
- Macbeth (Tales from Shakespeare)
- Space Hunt Extraordinaire

UNIT 2

- The Microbe
- Surya's Pot
- The Shoemaker

FINAL EXAMINATION

- Space Hunt Extraordinaire
- The Lake of Isle of Innisfree
- The First Pup
- The Shoe Maker
- Scout Shows the Way
- Older than History
- If
- Julius Caesar
- A Midsummer Night's Dream (Tales from Shakespeare)

Hindi

UNIT-I

पाठ - 1 प्रभु तुम मेरे मन की जानो

पाठ - 2 नकलची नाई

पाठ - 3 पानी रे पानी

व्याकरण – पत्र, तद्भव-तत्सम, लिंग, वचन, संज्ञा, सर्वनाम, विशेषण, विलोम, पर्यायवाची, शुद्ध-अशुद्ध, वाक्यांश, मुहावरे व लोकोक्तियाँ, वाक्य परिवर्तन।

HALF YEARLY

पाठ - 2 नकलची नाई

पाठ - 4 बोध

पाठ - 5 चेतक

पाठ - 6 मुफ्त ही मुफ्त

पाठ - 7 बिशन की दिलेरी

पाठ - 8 कृपया गंदा मत कीजिए

पाठ - 9 दान का हिसाब

पाठ - 10 पतवार

पाठ - 11 एक मध्यवर्गीय कुत्ता

व्याकरण - निबंध, पत्र, अपठित गद्यांश, तद्भव-तत्सम, लिंग, वचन, संज्ञा, सर्वनाम, विशेषण, विलोम, पर्यायवाची, शुद्ध-अशुद्ध, वाक्यांश, मुहावरे व लोकोक्तियाँ, वाक्य परिवर्तन।

UNIT-II

पाठ - 12 प्रेमचंद

पाठ - 13 कांच की बरनी और दो कप चाय

पाठ - 14 नन्हा फ़नकार

व्याकरण - पत्र, तद्भव-तत्सम, लिंग, वचन, संज्ञा, सर्वनाम, विशेषण, विलोम, पर्यायवाची, शुद्ध-अशुद्ध, वाक्यांश, मुहावरे व लोकोक्तियाँ, वाक्य परिवर्तन।

FINAL EXAM

पाठ - 1 प्रभु तुम मेरे मन की जानो

पाठ - 11 एक मध्यवर्गीय कुत्ता

पाठ - 12 प्रेमचंद

पाठ - 13 कांच की बरनी और एक कप चाय

पाठ - 14 नन्हा फ़नकार

पाठ - 15 सूरदास के पद

पाठ - 16 स्वामी की दादी

पाठ - 17 प्रायश्चित

पाठ - 18 इतने ऊंचे उठो

व्याकरण - निबंध, पत्र, अपठित-गद्यांश, तद्भव-तत्सम, लिंग, वचन, संज्ञा, सर्वनाम, विशेषण, विलोम, पर्यायवाची, शुद्ध-अशुद्ध, वाक्यांश, मुहावरे व लोकोक्तियाँ, वाक्य परिवर्तन।

Physics

UNIT 1

Ch-1 Matter

Ch-2 Physical quantities and measurement

HALF YEARLY

Ch-1 Matter

Ch-2 physical quantities and measurement

Ch-3 Force and pressure

Ch-4 Energy

UNIT 2

Ch-5 Light energy

Ch-6 Heat Transfer

FINAL EXAMINATION

Ch-1 Matter

Ch-2 physical quantities and measurement

Ch-3 Force and pressure

Ch-4 Energy

Ch-5 Light energy

Ch-6 Heat Transfer

Ch-7 Sound

Ch-8 Electricity

Financial Literacy

Half Yearly:

1. Insurance

2. Types of Banks

3. Cheques **Final:**

4. Tax

5. Demand Draft & Payment Order

6. Banking

History & Civics

Unit I:

Chapter 1 – A Period of Transition

Chapter 2 – The Age of Revolutions **Half**

Yearly:

Chapter 2 – The Age of Revolutions

Chapter 3 – The American Civil War

Chapter 4 – Decline of the Mughal Empire

Chapter 5 – Advent of the English East India Company

Chapter 6 – The British Conquest of Bengal

Chapter 7 – Expansion of British Power in India

Chapter 14 – Organs of the Indian Government

Unit II:

Chapter 8 – Impact of the British Rule on India

Chapter 9 – The Great Uprising of 1857

Final:

Chapter 9 – The Great Uprising of 1857

Chapter 10 – Reform Movements in India under the British Rule

Chapter 11 – The Rise of Indian Nationalism

Chapter 12 – The Indian National Movement: 1885- 1916

Chapter 13 – Mahatma Gandhi and the National Movement: 1917- 1947

Chapter 14 – Organs of the Indian Government

Chapter 15 – The United Nations

Value Education

Unit 1:

1. The rice bowl of wishes
2. Coffee, carrot or an egg: adversity & transformation

Half Yearly:

1. The rice bowl of wishes
2. Coffee, carrot or an egg: adversity & transformation
3. The unwavering determination of Monty Roberts
4. Ali Baba's lesson in honesty
5. The true riches of gratitude

Unit 2:

6. The unwavering love of the Apple tree
7. The weight of stress: knowing when to put the glass down

Final:

6. The unwavering love of the Apple tree
7. The weight of stress: knowing when to put the glass down
8. Journey to enlightenment: the story of Siddhartha Buddha
9. A lesson in integrity
10. The power of a few coins

Computer

Unit Test -1:

Chapter 1: Operating System and Graphics User Interface

Chapter 2: Spreadsheet: formulas and functions

Half Yearly Exam:

Chapter 1: Operating System and Graphics User Interface

Chapter 2: Spreadsheet: formulas and functions

Chapter 3: Charts in MS-Excel

Chapter 4: Algorithm and Flowchart

Chapter 7: App Development

Unit Test 2:

Chapter 7: App Development

Chapter 8: Computer Networking

Chapter 9: Cloud Computing

Final Exam:

Chapter 1: Operating System and Graphics User Interface

Chapter 5: Introduction to Java and BlueJ

Chapter 6: Decision Control Structure

Chapter 7: App Development

Chapter 8: Computer Networking

Chapter 9: Cloud Computing

General Knowledge

- **UNIT 1**
Pg no – 7,8,9,10,11,12,13,14,15,16
- **HALF YEARLY**
Pg no – 17,18,19,20,21,22,23,24,25,26,27,28,29,33,11,13 and current affairs
- **UNIT 2**
Pg no- 37,41,42,43,44,45,46,47,48,49
- **FINAL EXAM**
Pg no- 50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,26,44,48 and current affairs

Chemistry

Unit test 1:

Chapter 1 : Matter and its composition Chapter
2 : Physical and Chemical changes **Half Yearly**

Exam:

Chapter 1 Matter and its composition
Chapter 2 Physical and Chemical Changes
Chapter 3 Elements, Compounds and Mixtures
Chapter 4 Atomic Structure **Unit**

test 2:

Chapter 4 Atomic Structure Chapter 5
Language of chemistry

Final Exam:

Chapter 3: Elements, Compounds and Mixture
Chapter 4 Atomic Structure
Chapter 5 Language of Chemistry
Chapter 6 Metals and Non-metals
Chapter 7 Air and Atmosphere

Sanskrit

UNIT-1

प्रार्थना

पाठ – 1 संस्कृतस्य महत्वम्

पाठ – 2 कोण्डदेवस्य दण्डः

पर्यायवाची शब्द पेज नंबर 112

शब्द रूप- छात्र, लता

धातु रूप- दृश्, पश्य

HALF YEARLY

पाठ – 3 कति काकाः

पाठ – 4 वृक्षान आरोपयम् (उपपद विभक्तिः)

पाठ – 5 हृदय परिवर्तनम्(लोट लकारः)

पाठ – 6 चाणक्यस्य विवेक(अव्यय पदानि))

पाठ – 7 भक्षकात् रक्षकःश्रेष्ठः(विशेषण- विशेष्य अनिवृतिः)

पाठ – 8 सुभाषितानि

पाठ - 9 लक्ष्य निर्धारणम्

पाठ - 10 वयम् किम् कुर्याम

पर्यायवाची शब्दः, विलोम शब्दः, शब्द रूप-कवि,मति, धातु रूप-प्रच्छ (पूछना),रक्ष (रक्षा करना) पांचो लकार।

UNIT-2

पाठ – 7 भक्षकात् रक्षकःश्रेष्ठः विशेषण- विशेष्य अनिवृतिः

पाठ – 9 लक्ष्य निर्धारणम्

पाठ -10 वयम् किम् कुर्याम

पर्यायवाची शब्दः, शब्द रूप- गुरु नदी, धातु रूप- कथ ,भू पांचो लकार

FINAL EXAM

पाठ - 8 सुभाषितानि

पाठ -10 वयम् किम् कुर्याम

पाठ – 11 दानवीर कः

पाठ – 12 संडे साठ्यम् समाचरेत्

पाठ – 13 सूक्तयः

पाठ – 14 श्रद्धायाःप्रभावः

पाठ- 15 कः समयः

पाठ- 16 संख्याः

पर्यायवाची शब्दाः-पेज नंबर 112, विलोम शब्दाः-112, शब्द रूप- राजन,फल, धातु रूप-कृ,अस्(पांचो लकार)

Art/ Craft

UNIT-I

Pg. NO. 12,15,16,17,18,19,21,22,23,24

HALF YEARLY EXAMINATION

Pg. NO. 27,29,31,32,34,35,38,40,42,43

CRAFT: Greeting card and pebbles art

UNIT-II

Pg. No. 53,55,56,58,59,61,62,63

FINAL EXAMINATION

Pg. No. 66,67,70,71,75,76,77,78,79,82,83

CRAFT: Paper quilling and knife painting
