

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: Biology

STD : IX

Name of the book :

- 1. Concise Biology – Part 1 (Selina Publication)**
- 2. Concise Biology - Part 2 (Selina Publication)**

1st Term

(From 9th book - Part 1)

Chapter No.	Chapter Name	Content
8	Five kingdom classification	Characteristics of each kingdom with examples
9	Economic importance of bacteria and fungi	Important role of bacteria in medicine and agriculture , Harmful role of bacteria, Useful role of fungi in breweries , bakeries, cheese processing and mushroom cultivation
10	Nutrition	Classification of food , balanced diet , malnutrition , deficiency diseases , function of carbohydrates , fats, proteins and minerals
11	Digestive system	Structure of tooth and types of teeth , organs involved in digestion, digestive glands and their role in digestion

2nd Term

Chapter No.	Chapter Name	Content
7	Respiration in plants	Process , gaseous exchange
14	The respiratory system of human	Organs involved in respiration, mechanism of breathing , tissue respiration , heat production
12	Skeleton : Movement and	Functions and types of human

	locomotion	skeleton , location and types of joints
13	Skin : Jack of all Trades	Structure and functions of human skin, internal structure of skin and derivatives of skin

3rd Term

From 10th book (Part 2)

Chapter No.	Chapter Name	Content
1	Cell	Structure and function of cell organelles, bacterial cell
4	Absorption by roots	Imbibition, osmosis, , diffusion , plasmolysis ,osmotic pressure, root pressure , turgidity, flaccidity , absorption of water and minerals , active and passive transport, Rise of water up to xylem, forces responsible for ascent of saps
5	Transpiration	Process and significance of transpiration, factors affecting rate of transpiration and guttation
6	Photosynthesis	Importance to life in general, experiments to show the necessity of light, carbon dioxide, chlorophyll , formation of starch, releasing of Oxygen and carbon dioxide
7	Chemical coordination	Plant growth regulator - Phyto hormones , tropic movements in plant
14	Human evolution	Introduction of human evolution, theories of evolution by natural selection
16	Pollution	Air pollution, water pollution soil pollution and noise pollution, acid-rain, global warming and ozone depletion

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: CTA

STD : IX

Name of the book : Computer Applications with Bluej

1st Term

Chapter No.	Chapter Name	Content
1	Introduction to Object-Oriented Programming Concepts	Compiler & Interpreter , Byte Code & JVM , BlueJ Vs Java , Types of Java Programs
3	Values and Types	Character Sets in Java, Token , Data Types ,Variables, Escape sequence, Type Conversion
4	Operators in Java	Operators and operands , Forms of operators, Types of Operators
5	Input in Java	Packages, Initializations, Using Parameters ,Using Scanner Class
6	Mathematical Library Methods	Different Mathematical Methods
7	Conditional Construct in Java	Flow of Control , Conditional Statements, Switch Case Statement

2nd Term

Chapter No.	Chapter Name	Content
8	Iterative Construct in Java	Different parts of Loop, Categories of Loops (For loop, while loop , do-while loop)
9	Nested Loop	Nested for loop, Nested while loop, Nested do-while loop
10	Class as the Basis of all Computation	Object , Class , Creating Objects of Class
11	User-Defined Methods	Defining a Method, Forms of Method, Actual and Formal Parameters, Pure and Impure Methods, Method Overloading

3rd Term

Chapter No.	Chapter Name	Content
12	Constructors	Different Types of Constructors, Constructor Overloading, Difference between Constructor and Method
7	Conditional Construct in Java	Flow of Control , Conditional Statements, Switch Case Statement
8	Iterative Construct in Java	Different parts of Loop, Categories of Loops (For loop, while loop , do-while loop)
REVISION OF 1 ST & 2 ND TERM		

**ST. THOMAS SCHOOL, HARDAG, RANCHI SYLLABUS OF ECONOMICS (Std. IX)
THE ACADEMIC YEAR (2024 - 2025)**

PORTION OF THE FIRST TERMINAL EXAMINATION

❖ Previous year's (Class 8th's) book to be used (Frank Certificate Economic Applications – Class IX by D.K.Sethi)

- Chapter 8: The Sectors of the Indian Economy
- Chapter 10: Infrastructure of the Indian Economy
- Chapter 11: Social Infrastructure of the Indian Economy

PORTION OF THE SECOND TERMINAL EXAMINATION

❖ Prescribed Book: Frank Certificate Economic Applications – Class X by D.K.Sethi

- Chapter 1: Demand : Law of Demand and Determinants of Demand
- Chapter 2: Supply : Law of Supply and Determinants of Supply
- Chapter 3: Elasticity of Demand and Supply

PORTION OF THE ANNUAL EXAMINATION

- Chapter 4: Factors of Production: Land and Labour
- Chapter 5: Factors of Production: Capital and Entrepreneur
- Chapter 6: Forms of Market Structure

Prescribed Book : 1. FRANK CERTIFICATE ECONOMIC APPLICATIONS CLASS IX BY D.K.SETHI

Publisher : FRANK BROS. & CO. (PUBLISHERS) LTD.

2. FRANK CERTIFICATE ECONOMIC APPLICATIONS CLASS X BY D.K.SETHI

Publisher : FRANK BROS. & CO. (PUBLISHERS) LTD.

संत थॉमस स्कूल, हरदाग

पाठ्यक्रम सत्र 2024-25

विषय-हिंदी

कक्षा : 9

पाठ्यपुस्तक का नाम: सरस हिंदी व्याकरण/ साहित्य सागर कहानियाँ /साहित्य सागर पथ
भाग

हिंदी व्याकरण

पाठ नंबर	पाठ का नाम	विषय वस्तु
1.	व्याकरण	वर्ण विचार, शब्द विचार, वाक्य विचार (व्याख्या और अभ्यास कार्य)
2.	संज्ञा	संज्ञा के भेद, संज्ञाओं का रूप परिवर्तन (व्याख्या और अभ्यास कार्य)
3.	लिंग, वचन	लिंग के भेद, वचन के भेद (व्याख्या और अभ्यास कार्य)
4.	कारक	कारक के भेद (व्याख्या और अभ्यास कार्य)
5.	पर्यायवाची शब्द	अंक - किनारा
6.	विलोम शब्द	अधम-उत्तम से देव-दानव तक
7.	अनेकार्थी शब्द	1अम्बर से 23 कुल तक
8.	एकार्थक प्रतीत होने वाले शब्द	1 से 13
9.	अनेक शब्दों के लिए एक शब्द	1 से 40
10.	मुहावरे	1 से 35
11.	लोकोक्ति	1 से 23
12.	प्रस्ताव निबंध लेखन चित्र पर	

	आधारित मौलिक कहानी अपठित गद्यांश व्यावहारिक व्याकरण	

हिंदी साहित्य(गद्य एवं पद्य भाग)

पाठ नंबर.	पाठ का नाम	विषय वस्तु
पाठ -1	साखी (कबीर दास)	वाचन,व्याख्या ,अभ्यास
पाठ -2	गिरिधर की कुंडलियाँ (गिरधर कवि राय)	वाचन,व्याख्या ,अभ्यास
पाठ -3	स्वर्ग बना सकते हैं(रामधारी सिंह दिनकर)	वाचन,व्याख्या ,अभ्यास
पाठ -4	वह जन्मभूमि मेरी (सोहनलाल द्विवेदी)	वाचन, व्याख्या, अभ्यास
पाठ 1	बात अठन्नी की(सुदर्शन)	वाचन व्याख्या अभ्यास
पाठ-2	काकी (सियारामशरण गुप्त)	वाचन ,व्याख्या,अभ्यास
पाठ -3	महायज्ञ का पुरस्कार(यशपाल जैन)	वाचन व्याख्या अभ्यास

2nd Term

हिंदी व्याकरण

पाठ नंबर	पाठ का नाम	विषय वस्तु
पाठ -5	सर्वनाम	सर्वनाम के भेद (व्याख्या और अभ्यास कार्य)

पाठ -6	विशेषण	विशेषण के भेद व्याख्या और अभ्यास कार्य)
पाठ -7	क्रिया	क्रिया के भेद (व्याख्या और अभ्यास कार्य)
पाठ 8	क्रिया विशेषण	क्रिया विशेषण के भेद (व्याख्या और अभ्यास कार्य)
पाठ -9	पर्यायवाची शब्द	किरण -प्रेम
पाठ -10	विलोम शब्द	धनी -निर्धन सजल निर्जल
पाठ 11	अनेकार्थी शब्द	24-46
पाठ 12	एकार्थक प्रतीत होने वाले शब्द	14-28
पाठ 13	अनेक शब्दों के लिए एक शब्द	41-80
पाठ 14	प्रस्ताव, निबंध लेखन,चित्र लेखन पत्र लेखन, अपठित गद्यांश	

हिंदी साहित्य(गद्य एवं पद्य भाग)

पाठ नंबर	पाठ का नाम	विषय वस्तु
पाठ 5	मेघ आए (सर्वेश्वर दयाल सक्सेना)	वाचन व्याख्या अभ्यास
पाठ 6	सूर के पद (सूरदास)	वाचन व्याख्या अभ्यास
पाठ 7	विनय के पद (तुलसीदास)	वाचन व्याख्या अभ्यास
पाठ 4	नेताजी का चश्मा	वाचन व्याख्या अभ्यास
पाठ -5	अपना अपना भाग्य(जैनेंद्र कुमार)	वाचन व्याख्या अभ्यास
पाठ 6	बड़े घर की बेटी (प्रेमचंद)	वाचन व्याख्या अभ्यास
पाठ -7	संदेह (जयशंकर प्रसाद)	वाचन व्याख्या अभ्यास

3rd Term

हिंदी व्याकरण

पाठ नंबर	पाठ का नाम	विषय वस्तु
पाठ 1	उपसर्ग	उपसर्ग के भेद व्याख्या एवं अभ्यास
पाठ 2	प्रत्यय	प्रत्यय के भेद व्याख्या एवं अभ्यास
पाठ 3	काल	काल के भेद व्याख्या एवं अभ्यास
पाठ 4	वाक्य संश्लेषण	व्याख्या एवं अभ्यास करें
पाठ 5	वाक्य रूपांतरण	व्याख्या एवं अभ्यास कार्य
पाठ 6	विराम चिन्ह	व्याख्या एवं अभ्यास कार्य
पाठ 7	वाक्यगत अशुद्धियां का शोधन	व्याख्या एवं अभ्यास कार्य
पाठ 8	शब्द भंडार के शेष भाग	व्याख्या अभ्यास कार्य
पाठ 9	प्रस्ताव, निबंध लेखन, चित्र पर आधारित मौलिक कहानी, पत्र लेखन, अपठित गद्यांश	

हिंदी साहित्य

पाठ 8	भिक्षुक (सूर्यकांत त्रिपाठी निराला)	वाचन व्याख्या अभ्यास
पाठ 9	चलना हमारा काम है (शिवमंगल सिंह सुमन)	वाचन व्याख्या अभ्यास
पाठ 10	मातृ मंदिर की और (सुभद्रा कुमारी चौहान)	वाचन व्याख्या अभ्यास
पाठ 8	भीड़ में खोया आदमी (लीलाधर शर्मा पर्वतीय)	वाचन व्याख्या अभ्यास
पाठ 9	भेंड़े और भेड़िये	वाचन व्याख्या अभ्यास

ST. THOMAS SCHOOL, HARDAG, RANCHI

Class 9 Chemistry Syllabus (2024-2025)

1st Term

Ch no.	Name of the chapter
1	The language of chemistry.
7	The study of gas laws.
2	Chemical changes and reactions.

2nd Term

Ch no.	Name of the chapter
3	Water
4	Atomic structure.
6	Hydrogen

3rd Term

Ch no.	Name of the chapter
5	The periodic table
8	Atmospheric pollution
1	The periodic table (class-10 th book)
2	Chemical bonding (class-10 th book)

ST. THOMAS SCHOOL, HARDAG

SYLLABUS FOR 2024-25

Subject: English Literature

STD : 9

Name of the book : JULIUS CAESAR By William Shakespeare & ICSE – TREASURE CHEST (A Collection Of ICSE Poems And Short Stories)

1st Term

Chapter No.	Chapter Name
5	The Night Mail (Poem)
1	Bonku Babu's Friend (Prose)
	Julius Caesar Act 1 Scene 1
2	Skimbleshanks - The Railway Cat (Poem)
2	Oliver Asks For More (Prose)

2nd Term

Chapter No.	Chapter Name
3	I Remember, I Remember (Poem)
3	The Model Millionaire (Prose)
4	The Doctor's Journal Entry for August 6th, 1945 (Poem)
4	Home coming (Prose)
10	Julius Caesar Act 1 Scene 2
11	Julius Caesar Act 1 Scene 2
12	Julius Caesar Act 2 Scene 1

3rd Term

Chapter No.	Chapter Name
1	A Work of Artifice (Poem)
5	The Boy Who Broke the Bank (Prose)
15	Julius Caesar Act 2 Scene 1
16	Julius Caesar Act 2 Scene 2
17	Julius Caesar Act 2 Scene 3
18	Julius Caesar Act 2 Scene 4

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: History/Civics

STD : IX

**Name of the book : New Trends in History/Civics
(Evergreen Pvt. Ltd)**

1st Term

Chapter No.	Chapter Name	Content
Ch - 4	(HISTORY) The Mauryan Empire	Sources , Political History & Administration
Ch - 5	The Sangam Age	Sources , A brief Study of Society & Economy
Ch - 6	The Age Of The Guptas	Sources, Political History & Administration , Contribution to Education & Culture, Vedic Society and Economy
Ch- 7	The Mediaeval India (The Cholas)	Sources , Political History & Administration
Ch - 1	(CIVICS) Our Constitution	Definition , Date of Adoption , Enforcement and Significance
Ch - 2	Salient features of the Constitution I	Single Citizenship , Universal Adult Franchise , Fundamentals Rights and Duties

2nd Term

Chapter No.	Chapter Name	Content
Ch - 10	(HISTORY) Medieval India : The Composite Culture	Sources , Significance & Influence of Christianity

Ch - 11	The Modern Age in Europe : Renaissance	Definition, Causes , Impacts On Art , Literature and Science
Ch - 12	The Modern Age in Europe : Reformation	Causes , Martin Luther's Contribution , Counter Reformation
Ch - 13	The Modern Age in Europe : Industrial Revolution	Definition & Comparative Study Of Socialism & Capitalism
Ch - 3	(CIVICS) Saline features of the Constitution II	Directive Principles of State Policy : Meaning , Welfare State
Ch - 4	Election	Meaning , Composition of Election Commission , Types Of Election

3rd Term

Chapter No.	Chapter Name	Content
	(HISTORY)	
(Std - X book) Ch - 1 Ch - 2	I. The Indian National Movement (1857-1917) 1. The First War of Independence , 1857 2. The Growth of Nationalism	*Causes & Consequences *Factors , Contribution of Raja Rammohan Roy , Jyotiba Phule , Role of. Press , Objectives of INA
Ch - 10 Ch - 11	II. The Contemporary World : *The First World War * Rise of Dictatorship	* Causes , Results * Causes of the Rise Of Nazism and Facism , Comparative Study Of ideologies Of Nazism and Facism
	(CIVICS)	
	I. The Union Legislature	*Lok & Rajya Sabha , Powers

Ch - 1 Ch - 2	: The Union Parliament II. The Union Executive : The President and the Vice - President	& Functions of Union Parliament *Qualification, Election , Impeachment , Tenure , Powers
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**ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25**

Subject: M.Sc

STD : IX

Name of the book : Core values-11

1st Term

Chapter No.	Chapter Name
1.	My family
2.	You and Your Appearance
3.	Know Your Personality

2nd Term

Chapter No.	Chapter Name
6.	Stress Management
7.	No Smoking
10.	Responsible Citizen

3rd Term

Chapter No.	Chapter Name
5.	Ambition
9.	Nurture Nature for Future
11.	Respecting Others
13.	Conviction Versus Convenience

ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25

Subject: Mathematics

STD : IX

**Name of the book : Concise Mathematics - Class IX [SELINA].
Concise Mathematics - Class X [SELINA].**

1st Term

Chapter No.	Chapter Name
3	COMPOUND INTEREST (USING FORMULA).
6	SIMULTANEOUS LINEAR EQUATIONS.
7	INDICES.
8	LOGARITHM.
12	MID POINT THEOREM & IT'S CONVERSE.
18	STATISTICS.
19	MEAN & MEDIAN (FOR UNGROUPPED DATA).
26	CO-ORDINATE GEOMETRY.

2nd Term

Chapter No.	Chapter Name
16	AREA THEOREM.
17	CIRCLE.
22	TRIGONOMETRIAL RATIOS.
23	TRIGONOMETRIAL RATIOS OF STANDARD ANGLES.
24	SOLUTION OF RIGHT ANGLES.
25	COMPLIMENTARY ANGLES.
27	GRAPHICAL SOLUTIONS.
28	DISTANCE FORMULA.

3rd Term

Chapter No.	Chapter Name [From STD - X book]
4	LINEAR INEQUATIONS IN ONE VARIABLE.
5	QUADRATIC EQUATIONS.
7	RATIO & PROPORTIONS.
8	REMAINDER & FACTOR THEOREM.
12	REFLECTION.
13	SECTION & MIDPOINT FORMULA.
14	EQUATION OF A LINE.

ST. THOMAS SCHOOL, HARDAG, RANCHI

SYLLABUS FOR THE SESSION 2024-25

SUBJECT- PHYSICS

CLASS- 9

BOOK: ICSE CONCISE PHYSICS

TERM 1

CHAPTER	CHAPTER NAME
1	Experimentation and Measurement
2	Motion in one dimension
3	Laws of Motion
4	Pressure in fluids and Atmospheric pressure

TERM 2

CHAPTER	CHAPTER NAME
5	Upthrust in fluids, Archimedes' principle and flotation
10	Magnetism
6	Heat and energy
7	Reflection of light
STD X - 1	Force

TERM 3

CHAPTER	CHAPTER NAME
8	Sound
9	Electricity
STD X -7	Sound
STD X -8	Electricity
STD X -2	Work, Energy and Power

ST. THOMAS SCHOOL, HARDAG

SYLLABUS FOR 2024-25

Subject: Geography

STD : IX

Name of the book : Frank modern certificate geography part 1

1st Term

Chapter No.	Chapter Name
1	Earth as a planet
7	Volcanoes
8	Earthquakes
11	The Atmosphere
15	The types of Pollution

2nd Term

Chapter No.	Chapter Name
2	Geographic Grid: latitude and longitude
3	Rotation and revolution
4	Structure of the Earth
5	Landform of the Earth
6	Materials of the Earth's Crust- Rocks
12	Insolation

3rd Term

Chapter No.	Chapter Name
9	Weathering and Denudation
10	Hydrosphere
13	Atmospheric pressure and winds
15	Humidity and Precipitation
15	Sources of pollution
17	Effects of pollution
18	Natural regions of the world

**ST. THOMAS SCHOOL, HARDAG
SYLLABUS FOR 2024-25**

Subject: English Language

STD: IX

Name of the book: Pearl of English Language

1st Term

Chapter No.	Chapter Name	Content
1	TEST PAPER	Grammar+ Essay+ Notice & Email
2	TEST PAPER	Grammar + Letters (2)
3	TEST PAPER	Grammar+ Comprehension Passage
4	TEST PAPER	Grammar+ Notice & Email
5.	TEST PAPER	Grammar + Letters (2)
6.	TEST PAPER	Grammar+ Comprehension Passage
7.	TEST PAPER	Grammar+ Notice & Email
8.	TEST PAPER	Grammar+ Essay

2nd Term

Chapter No.	Chapter Name	Content
9	TEST PAPER	Grammar + Essay
10	TEST PAPER	Grammar + Letters (2)
11	TEST PAPER	Grammar+ Notice & Email
12	TEST PAPER	Grammar+ Comprehension Passage
13	TEST PAPER	Grammar + Essay + Notice & Email
14	TEST PAPER	Grammar + Letters (2)
15	TEST PAPER	Grammar+ Notice & Email
16	TEST PAPER	Grammar+ Comprehension Passage

3rd Term

Chapter No.	Chapter Name	Content
17	TEST PAPER	Grammar + Essay
18	TEST PAPER	Grammar + Letters (2)
19	TEST PAPER	Grammar+ Notice & Email
20	TEST PAPER	Grammar + Comprehension Passage
21	TEST PAPER	Grammar + Essay+ Notice & Email
22	TEST PAPER	Grammar + Letters (2)
23	TEST PAPER	Grammar+ Notice & Email
24	TEST PAPER	Grammar + Comprehension Passage
25	TEST PAPER	Grammar+ Notice & Email