

Thomas School, Dhurwa, Ranchi – 4
Syllabus in detail (2023 -2024)

Class 10

Subject – Biology

Name of the book : Concise Biology ICSE -Part II class X

First Term (13th March to 30th June)

NO. OF WORKING DAYS:54

Chapter number	Name of chapter
2	Structure of chromosome, cell cycle and cell division
3	Genetics- some basic fundamentals
8	The Circulatory system
9	The excretory system

SECOND TERM (July 17th to October 17th)

NO. OF working DAYS : 62

Chapter number	Name of chapter
10	The Nervous system
11	Sense organ
12	The Endocrine system
14	Human Evolution

Third Term (November 13 to December 8)

No. of Working Days: 17

Chapter number	Name of chapter
13	The Reproductive system
15	Population- Increasing and rising population

Portion for

First selection	Ch nos. 2,3,8,9 +1,4,5,6
Second selection	Ch nos. 10,11,12,14+7,16
Third selection	Ch nos.13,15+ 1to16 full syllabus

ST. THOMAS SCHOOL, DHURWA, RANCHI-04
CHEMISTRY SYLLABUS FOR THE SESSION – 2023-24
CLASS-10

1 ST TERM	Chapter- 1-The periodic table Chapter-2-Chemical bonding Chapter-3- Acid, base and salts Chapter-4 – Analytical chemistry Chapter-8-Hydrogen chloride Chapter-9--Ammonia
2 ND TERM	Chapter-5-Mole concept Chapter- 6-Electrolysis Chapter-10-Nitric acid Chapter-11-Sulphuric acid Chapter-12-Organic chemistry
3 RD TERM	Chapter-7-Metallurgy Overall revision

St. Thomas School, Ranchi
Computer Application, Class -X
Syllabus 2023-24

First Term

1. String Manipulation in Java [lang package]

- ❖ Wrapper Class
 - Conversion from String to Primitive types
 - Convert from Primitive types to String
 - **AutoBoxing & Inboxing (new Topic)**
- ❖ Character Function (isDigit(), isLetter(), isLetterOrDigit(), isLowerCase(), isUpperCase(), isWhitespace(), toUpperCase(), isLowerCase())
- ❖ String Function(trim(), toLowerCase(), toUpperCase(), length(), charAt(), indexOf(), lastIndexOf(), concat(), equals(), equalsIgnoreCase(), compareTo(), compareToIgnoreCase(), replace(), substring(), startsWith(), endsWith())
- ❖ Programs related Character/String manipulation
- ❖ String Handling related word extraction based programs.

2. Method & Method Overloading

- ❖ What is Method? Syntax.... Advantages of Method
- ❖ Method Prototype, Method Signature
- ❖ Formal & Actual Parameter, Pure and Impure Method, Function Invoking
- ❖ Return type (int, char, string, double etc) & void (no return type)
- ❖ Call by value & call by reference
- ❖ Instance Variable, Class Variable/Static variable and local variable

3. Constructor & Constructor Overloading

4. Revision of class IX (Loops, if else, Nested For, Methods, number System etc)

5. Explanation of **“this” keyword & final keyword**

Second Term

6. Arrays

❖ Single Dimensional Array

- Definition , declaration, initialization and types
- Searching in SDA (Linear & Binary)
- Sorting (Selection & Bubble Sort)
- Array Programs related result based etc

7. DDA

Matrix, sum of rows & columns, sum of diagonal

Third Term

8. Revision of Array

9. Revision Of String

10. Revision of whole syllabus.

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SYLLABUS FOR THE ACADEMIC YEAR (2023 - 2024)

CLASS: 10

SUBJECT: ECONOMIC APPLICATIONS

PORTION OF THE FIRST TERMINAL EXAMINATION

❖ ***(A Text Book of ICSE Economic Applications- Class X by V.N.Nigam & A. Banerjee)***

- Chapter 12: The State and Economic Development
- Chapter 13: Instruments of State Intervention
- Chapter 14: Public Sector Enterprises

&

❖ **Class 10th's book to be used (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
- Chapter 4: Factors of Production: Land and Labour

PORTION OF THE SECOND TERMINAL EXAMINATION

❖ ***(A Text Book of ICSE Economic Applications- Class X by V.N.Nigam & A. Banerjee)***

- Chapter 15: Privatisation of Public Enterprises
- Chapter 16: Money and Inflation
- Chapter 17 : Banking: Commercial Banks and Central Bank

&

❖ **Class 10th's book to be used (Frank Certificate Economic Applications – Class X by D.K.Sethi)**

- Chapter 5: Factors of Production: Capital and Entrepreneur
- *The entire portion of the First Selection Examination*

PORTION OF THE THIRD TERMINAL EXAMINATION

❖ **Class 10th's book to be used (Frank Certificate Economic Applications – Class X by D.K.Sethi)**

- Chapter 6: Forms of Market Structure

&

- *The entire portion of the First & Second Selection Examination*

Prescribed Book : 1. FRANK CERTIFICATE ECONOMIC APPLICATIONS

CLASS X BY D.K.SETHI

Publisher :

FRANK BROS. & CO. (PUBLISHERS) LTD.

&

2. A TEXT BOOK OF ICSE ECONOMIC APPLICATIONS

CLASS X BY V.N. NIGAM & A. BANERJEE

Publisher :

OSWAL PUBLISHERS

ST. THOMAS SCHOOL, RANCHI - 4
SUBJECT: ENGLISH LANGUAGE and LITERATURE
CLASS: X SYLLABUS (2023 - 2024)

SUBJECT: ENGLISH LANGUAGE

FIRST TERM

PRESCRIBED BOOK: TOTAL ENGLISH - 10

TEST PAPER: 2 to 5

TEST PAPER: 2 :- Grammar + Essay + Notice & Email

TEST PAPER: 3:- Grammar + Letters (2)

TEST PAPER: 4:- Grammar + Comprehension Passage

TEST PAPER: 5:- Grammar + Notice & Email

Aural Passage:-1,2 &3

SECOND TERM

TEST PAPER: 6 to 10

TEST PAPER: 6:- Grammar + Essay

TEST PAPER: 7:- Grammar + Letters (2)

TEST PAPER: 8:- Grammar + Notice & Email

TEST PAPER: 9:- Grammar + Comprehension Passage

TEST PAPER: 10:- Grammar + Essay + Notice & Email

Aural Passage: 4,5 &6

THIRD TERM

TEST PAPER : 11 to 15

TEST PAPER: 11:- Grammar + Essay

TEST PAPER: 12:- Grammar + Letters (2)

TEST PAPER: 13:- Grammar + Notice & Email

TEST PAPER: 14:- Grammar + Comprehension Passage + Grammar

TEST PAPER: 15:- Grammar + Essay + Notice & Email

Aural Passage: 7& 8

ENGLISH LITERATURE

PRESCRIBED BOOKS:

- 1.The Merchant of Venice - William Shakespeare
- 2.A Collection of ICSE Poems and Short Stories

FIRST TERM

WEEK	DATES	PORTION
1 ST WEEK	13 th - 17 th March	Daffodils
2 ND WEEK	20 th - 21 st March	The Little Match Girl
3 rd WEEK	11 TH - 13 TH April	The Merchant of Venice Act -3; Sc1
4 TH WEEK	17 th - 21 st April	The Merchant of Venice Act - 3; Sc 2
5 TH WEEK	24 th - 28 th April	The Merchant of Venice Act - 3 Sc 2 (contd) Grammar Test Papers 2&3
6 TH WEEK	1 st May - 5 th May	The Merchant of Venice Act -3 &4
7 TH WEEK	8 th May - 12 TH May	The Merchant of Venice Act 3 - Sc 5 Grammar Test Paper 4&5
8 TH WEEK	12 th June - 17 th June	I Know Why the Caged Bird Sings
9 TH WEEK	19 th - 23 rd June	An Angel in Disguise
10 TH WEEK	26 th - 30 th June	Revision of English Literature, Grammar exercises & Revision of Essay,Letter,Comprehension Passage and Notice/Email. Aural Passages 1 -3

SECOND TERM

WEEK	DATES	PORTION
1ST WEEK	17th - 21st July	Distribution of Answer Scripts and Grammar Revision & The Patriot
2ND WEEK	24th - 28th July	The Blue Bead
3RD WEEK	31st July - 4th August	The Merchant of Venice Act IV; Sc 1
4TH WEEK	7th - 11th August	The Merchant of Venice Act IV; Sc 1 (contd)
5TH WEEK	14th - 18th August	The Merchant of Venice Act IV Sc2 Grammar Test Papers 6 - 8
6TH WEEK	21st - 25th August	Abou Ben Adhem
7TH WEEK	28th August - 1st September	Grammar Test Papers 9 & 10, Essay, Notice/Email & Aural Passages 4,5&6
8TH WEEK	4th - 8th September	My Greatest Olympic Prize
9TH WEEK	11th - 15 September	Comprehension Passage & Letter Writing (2)
10TH WEEK	18th - 22nd September	Nine Gold Medals
11TH WEEK	26th - 30th September	All Summer in a Day
12TH WEEK	3rd -6th October	All Summer in a Day (contd)

ST. THOMAS SCHOOL, DHURWA, RANCHI -04
TERM WISE SYLLABUS - 2023-2024

CLASS – 10 SUBJECT – HISTORY & CIVICS

FIRST TERM

CIVICS

CP 3 – Prime Minister and Council of Ministers

HISTORY

CP – 3 First Phase of the Indian National Movement

CP – 4 Second Phase of the Indian National Movement

CP – 5 The Muslim League

CONTEMPORARY WORLD

CP – 12 Second World War

CP – 13 United Nations

SECOND TERM

HISTORY

CP – 6 Mahatma Gandhi and the National Movement

CP – 7 Quit India Movement

CP – 8 Forward Bloc and the INA

CP – 9 Independence and Partition of India

CONTEMPORARY WORLD

CP - 14 Major Agencies of the United Nations

CIVICS

CP – 4 The Supreme Court

CP – 5 The High Courts and Subordinate Courts

THIRD TERM

CONTEMPORARY WORLD

CP – 15 Non Aligned Movement

History CP 1 First War of Independence

CP 2 Growth of Nationalism

CW CP 10 First World War

CP 11 Rise of Dictatorships

Civics CP 1 Union Parliament

CP 2 The President and the Vice President

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SYLLABUS FOR CLASS-X MATHEMATICS

SESSION: 2023-2024

FIRST TERM

S. No.	Chapter No.	Chapter Name
1.	CH-1	GST
2.*	CH-4	Linear in-equations
3.*	CH-5	Quadratic Equations
4.*	CH-7	Ratio & Proportions
5.*	CH-8	Remainder and Factor Theorems
6.	CH-10	Arithmetic Progression(A.P)
7.*	CH-12	Reflection
8.*	CH-13	Section and Mid-Point Formula
9.	CH-14	Equation of Line
10.	CH-15	Similarity
11.	CH-20	Cylinder, Cone & Sphere
12.	CH-11	Geometric Progression(G.P)
13.	CH-16	Loci

* Chapters completed in class IX

Second Term

S. No.	Chapter No.	Chapter Name
1.	CH-2	Banking
2.	CH-6	Problems Based on Quadratic Equations
3.	CH-9	Matrices
4.	CH-17	Circles
5.	CH-21	Trigonometrical Identities
6.	CH-23	Graphical Identities
7.	CH-24	Measures of Central Tendencies

Third Term

S. No.	Chapter No.	Chapter Name
1.	CH-3	Shares and Dividends
2.	CH-18	Tangents and Intersecting Cords
3.	CH-19	Constructions
4.	CH-22	Heights and Distances
5.	CH-25	Probability

PHYSICS SYLLABUS
Class : X (2023-2024)

FIRST TERMINAL

Chapter-3 : Machine

Chapter-4 : Reflection of Light at Plane Surface

Chapter-5 : Refraction through lens

Chapter-6 : Spectrum

SECOND TERMINAL

Chapter-9 : Household Electricity

Chapter-10 : Electromagnetism

Chapter-12 : Radioactivity

THIRD TERMINAL

Chapter-11 : Calorimetry

संत थॉमस स्कूल, धुर्वा, राँची
विषय-हिन्दी पाठ्यक्रम सत्र-(2023 - 2024)

निर्धारित पुस्तकें :-

- 1.साहित्य सागर आई.सी.एस.ई एवरग्रीन पब्लिकेशन (गद्य एवं पद्य भाग)
- 2.साहित्य सागर अभ्यास पुस्तिका (सलीना पब्लिशर्स)
- 3.सरस हिन्दी व्याकरण एवरग्रीन पब्लिकेशंस)

(प्रथम आवधिक परीक्षा पाठ्यक्रम 13मार्च 2 जुलाई 2023)

साहित्य सागर (गद्य भाग)

- पाठ 7. संदेह (लेखक-जयशंकर प्रसाद)
पाठ 8. भीड़ में खोया आदमी (लेखक- लीलाधर शर्मा पर्वतीय)
पाठ 1.बात अठन्नी की (लेखक - सुदर्शन)
पाठ 2. काकी (लेखक - सियाराम शरण गुप्त)

साहित्य सागर (पद्य भाग)

- पाठ 7. विनय पद (कवि-तुलसीदास)
पाठ 8. भिक्षुक (कवि -सूर्यकांत त्रिपाठी)
पाठ 1.साखी (कवि-कबीरदास)
पाठ 2. गिरिधर की कुंडलियाँ (कवि -गिरिधर कविराय)

व्याकरण -प्रस्ताव लेखन, पत्र लेखन, अपठित गद्यांश
संपूर्ण व्यावहारिक व्याकरण

(द्वितीय आवधिक परीक्षा पाठ्यक्रम 17 जुलाई 24 अक्टूबर 2023)

साहित्य सागर (गद्य भाग)

- पाठ 10.दो कलाकार (लेखिका -मन्नु भंडारी)
पाठ 9.भेंड़ें और भेड़िए (लेखक-हरिशंकर परसाई)
पाठ 3.महायज्ञ का पुरस्कार (लेखक-यशपाल)
पाठ 4.नेताजी का चश्मा (लेखक -स्वयंप्रकाश)

साहित्य सागर (पद्य भाग)

- पाठ 9.चलना हमारा काम (कवि -शिवमंगल सिंह 'सुमन')
पाठ 10 .मातृ मंदिर की ओर (कवयित्री -सुभद्रा कुमारी चौहान)
पाठ 3.स्वर्ग बना सकते हैं (कवि-रामधारी सिंह 'दिनकर')
पाठ-वह जन्मभूमि मेरी (कवि- सोहन लाल द्विवेदी)

व्याकरण - प्रस्ताव लेखन,पत्र लेखन, अपठित गद्यांश
संपूर्ण व्यावहारिक व्याकरण

(तृतीय आवधिक परीक्षा पाठ्यक्रम.10नवम्बर से 7 दिसंबर 2023)

साहित्य सागर (गद्य भाग)

- पाठ 6.बड़े घर की बेटा (लेखक -प्रेमचंद)
पाठ 5.अपना-अपना भाग्य (लेखक -जैनेन्द्र कुमार)

साहित्य सागर (पद्य भाग)

- पाठ 5.मेघ आए (सर्वेश्वरदयाल सक्सेना)
पाठ 6. सूर के पद (कवि -सूरदास)

व्याकरण - प्रस्ताव लेखन, पत्र लेखन, अपठित गद्यांश
संपूर्ण व्यावहारिक व्याकरण
प्रथम आवधिक पाठ्यक्रम एवं द्वितीय आवधिक पाठ्यक्रमों की पुनरावृत्ति

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GEOGRAPHY SYLLABUS (2023 – 2024)

STD : X

S. No.	CH. No.	NAME OF THE CHAPTER	PAGE No.
<u>FIRST TERM</u> : -			
1.	3.	Climate	80 – 100
2.	4.	Soil Resources	101 - 116
3.	5.	Natural Vegetation	117 - 128
4.	6.	Water Resources	129 - 142
5.	12.	Transport	238 - 255
6.	Map of India – <ul style="list-style-type: none">• Mountains, Plateaus, Peaks• Soil Distribution• Deserts and plains• Water bodies• Direction of Wind		
7.	Toposheet – <ul style="list-style-type: none">• Colours• Scales and Types of Scale• Four figure and Six figure grid reference• Contour, Contour features, Slopes• Natural and Man made features• Drainage pattern		
<u>SECOND TERM</u> : -			
1.	7.	Mineral and Energy Resources	143 – 167
2.	8. & 9.	Agriculture in India	168 – 205
3.	10. & 11.	Manufacturing Industries : Agro – based and Mineral – based	206 – 237

4.	Map of India – <ul style="list-style-type: none"> • Rivers • Passes • Latitude and Longitude • Distribution of Minerals • Cities • Population 		
5.	Toposheet – <ul style="list-style-type: none"> • Measuring Distances and Calculating areas • Direction between two points • Settlement pattern • Heights and Depths 		
<u>THIRD TERM</u> : -			
1.	13. &14.	Waste Management	256 - 284
2.	Map of India – Revision Work		
3.	Toposheet – Revision Work		