

**ST. FRANCIS XAVIER SCHOOL**  
**ENGLISH LANGUAGE**  
**CLASS X**  
**SYLLABUS 2021- 2022**

**UNIT I**

**HALF YEARLY**

Prescribed Text : Total English			Prescribed Text : Total English	
SL NO.	TOPIC	CONTENTS	TOPIC	CONTENTS
	WRITING SKILLS		WRITING SKILLS	
1	Comprehension	Skills	Composition	Narrative
2	Letter Writing	Formal Informal		Descriptive Argumentative
3	GRAMMAR	Tenses and their Uses I and II Agreement of Verb with the Subject Transformation of Sentences Aural Comprehension and Oral Skills English Language Assessment test	Letter Writing  Comprehension  GRAMMAR	Formal  Informal Analysis and Suggested Answers  Tenses
4	Notice and Email			Prepositions Joining of sentences Transformation of sentences Summary Writing
		<b>All portions taught</b>	Notice and Email Project Assignment	English oral skill Aural Comprehension and Oral Skills test
			<b>Appropriate portions from the topics taught in Unit I and Half Yearly shall be covered</b>	

**UNIT II**

**REHEARSAL**

Prescribed Text : Total English			Prescribed Text : Total English	
SL NO.	TOPIC	CONTENTS	TOPIC	CONTENTS
	WRITING SKILLS		WRITING SKILLS	
1	Comprehension	Unseen	Composition	Argumentative
2	Letter Writing	Informal		Picture composition
3	GRAMMAR	Words Often Confused		Story writing
		Direct and Indirect Speech	Letter Writing	Formal
		Adverbs		Informal
		Factual Writing	Comprehension	Unseen
		Personal Writing	GRAMMAR	Tenses
		Conditional Sentences		Prepositions
				Joining of sentences
				Transformation of sentences
			Notice and Email	
		<b>All portions taught</b>	<b>All appropriate portions taught throughout the session shall be covered</b>	

**ST. FRANCIS XAVIER SCHOOL**  
**ENGLISH LITERATURE**  
**CLASS X**  
**SYLLABUS 2021- 2022**

**UNIT I**

**HALF YEARLY**

<b>Prescribed Textbook</b>	<b>Treasure Trove</b>	<b>Prescribed Textbook</b>	<b>Treasure Trove</b>
	1.I Know why the Caged Bird Sings 2. The Little Match Girl		1.The Patriot 2. The Blue Bead 3. Abu Ben Adheim 4. My Greatest Olympic Prize
<b>Prescribed Textbook</b>	<b>The Merchant of Venice</b>	<b>Prescribed Textbook</b>	<b>The Merchant of Venice</b>

Act III Scene II

Act III: Scene III

Scene IV

Scene V

**All portions taught**

**Appropriate portions from the topics taught in Unit I and**

**Half Yearly shall be covered**

Submission

Date:

15.06.2021

**Project Assignment- In Act III Scene I of 'The Merchant of Venice' Shakespeare projects the pain**

**Elaborately describe the pain with close reference to the scene.**

**UNIT II**

**REHEARSAL**

<b>Prescribed Textbook : ICSE Collection of Poems and Short Stories</b>	
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1.Nine Gold Medals

Heart of a Tree

2. All Summer in a Day

Chief Seattle's Speech

**Prescribed  
Textbook**

**The Merchant of Venice**

Act IV: Scene I and II

**All portions taught**

**All appropriate portions  
taught throughout the  
session  
shall be covered**

Submission

Date:

31.01.2022

**Project**

**Assignment-**

**With close  
reference to**

**Robert**

**Browning's**

**'The Patriot'**

**bring out the**

**whimsical  
nature of the  
public to which  
the protagonist  
falls a victim.**

ST. FRANCIS XAVIER SCHOOL

Hindi

CLASS -X

SYLLABUS 2021-2022

UNIT-I

Prescribed Text: साहित्य सागर

CH. NO.	CHAPTERS
10	मात्री मंदिर की ओर (देशभक्ते सुभद्रा कुमारी चौहान)
4	वह जन्मभूमि मेरी सोहनलाल द्विवेदी
	<b>एकांकी संचय</b>
6	दीपदान (त्याग बलिदान को स्पष्ट रामकुमार वर्मा सरस हिंदी व्याकरण और रचना पर्यायवाची शब्द, विलोम शब्द, संज्ञा से विशेषण भाववाचक संज्ञा, तत्सम, तद्भव, मुहावरे, शब्द समूह के लिए एक अपठित गद्यांश, पत्र लेखन, प्रस्ताव लेखन including Class IX syllabus

All portions taught

UNIT II

साहित्य सागर

2	गिरिधर की कुड़लियां
4	वह जन्मभूमि मेरी
5	मेघ आए
7	विनय के पद
8	भिक्षुक

All portions taught

REHEARSAL

साहित्य सागर

whole ICSE syllabus

एकांकी संचय

Whole syllabus

व्याकरण और रचना

whole syllabus

Project

Dharmik tayohar ke saath judi kuch rochak ghatnao ka varnan

Subission Date : 04/01/2022 shall be covered

HALF YEARLY

Prescribed Text: साहित्य सागर हा

CH. NO.	CHAPTERS
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9	चलना हमारा काम है
1	साखी
10	मात्री मंदिर की ओर
	<b>एकांकी संचय</b>
3	मातृभूमि का भान
6	दीपदान
4	सूखी डाली
	including class IX syllabus
	<b>व्याकरण और रचना</b>
	अपठित गद्यांश, निबंध लेखन, पः

Appropriate portions from the topics taught in Unit I a Half Yearly shall be covered

पर्यायवाची शब्द विलोम शब्द  
तत्सम, तद्भव, मुहावरे

वाक्य परिवर्तन, शब्द समूह के लिए एक शब्द  
संज्ञा से विशेषण

भाववाचक संज्ञा

including UT I, half yearly and  
class IX syllabus

Samachar Patra samajh ke gat

Subission Date : 15/06/2021

All appropriate portions taught throughout the session

**ST. FRANCIS XAVIER SCHOOL**

**BENGALI**

**SESSION 2021-22**

**BENGALI**

**CLASS-X ( 2nd Language)**

**SESSION 2021-22**

**UNIT - I EXAMINATION**

<b>Prescribed Text Book</b>	<b>Chapter / Topics</b>	<b>Activity</b>
Sankolita (Short stories)	1. Gandhota Khub Sandehojanaka	Reference to context Short questions and answers
	2. Sankolita 1. Babu Balen	Explanation
	3. Grammar	Voice change Narration change Misspelt words etc.
<b><u>Project topics</u></b>	1. Swamaj Kalyan Sadhona Chatro-Chatrider Bhumika (Composition) 2. Kho-Kho (Poem) by Amitava Dasgupta 3. Gandhota Khub Sandehojanaka (Prose) by Shirsendu Mukherjee	
<b>Date Of Submission 29th June 2021 ( Tuesday)</b>		
<b>All portions taught</b>		

**HALF-YEARLY EXAMINATION**

<b>Prescribed Text Book</b>	<b>Chapter / Topics</b>	<b>Activity</b>
Sankolita (Short Stories)	1. Lokti	Word meaning
	2. Bama	Explanation
	3. Ashojogi	Proverbs Punctuation marks
2. Sankolita	1. Kho-Kho	Voice change, Narration change, Spelling mistake
	2. Amalkanti	transformation of sentences
	3. Phool Futuk Na Futuk & unit 1 syllabus	Short notes Homonyms One word expression
3. Grammar	essay writing	Reference to context
	letter writing	Short questions and answers
	comprehension	Synonyms
	voice change	
	narration change misspelt words etc.	

joint word  
 transformation of sentences etc.  
 punctuation mark  
 synonyms, homonyms

**Appropriate portions from the topics taught in Unit I and Half Yearly shall be covered**

**UNIT -II EXAMINATION**

Prescribed Text Book	Chapter / Topics	Activity
Sankolita (short stories)	1. Debotar Jonmo	One word expression
	2. Abar Ashibo Phire	Reference to context
	3. Grammar	Joint word, Proverbs

**All portions taught**

**REHEARSAL EXAMINATION**

Prescribed Text Book	Chapter / Topics	Activity
Sankolita (short stories)	Whole book (10 stories to be prescribed by I.C.S.E)	Word meaning Explanation Proverbs Punctuation marks
	2. Sankolita Whole book (10 poems to be prescribed by I.C.S.E)	Voice change, Narration change, Spelling mistake transformation of sentences Short notes Homonyms One word expression
	3. Grammar	Essay writing Reference to context Letter writing Short questions and answers Comprehension Synonyms Transformation of sentences etc. Punctuation Mark Synonyms, Homonyms Proverbs Voice change Narration change Misspelt words etc. Joint word

**All appropriate portions taught throughout the session shall be covered**

**ST. FRANCIS XAVIER SCHOOL**

**HISTORY & CIVICS**

**Class X**

**Session 2021-2022**

**UNIT I**

**HALF YEARLY**

**Prescribed Text: Modern Indian History Contemporary World and Civics -Jacob and Tayal**

Reference Book	Goyal brothers ( Chapters taught from both the books)	Reference Book		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter
1	Revolt of 1857 First war of Independence	Political , Social , Military Economic causes , effects . Causes , formation of Indian national Congress aims	5	Partition of Bengal
2	Rise of Nationalism	,other associations and their aims . Objectives , Methods ,	6	Formation of Muslim League
3	Rise of Early nationalists	demands , Dadabhai Naoroji , Surendranath Banerjee ,	7	Mahatma Gandhi
1	The Union Legislature	<b>Civics</b> Lok Sabha, Rajya Sabha Formation and function all powers of Parliament, Control on Executive	8	National Movement
2	The Union executive	President qualifications , election , all powers . Vice President, Prime Minister, council, powers		Project Work
<b>All portions taught</b>				<b>Submission date:</b> <b>Appropriate portions from 1st Half Yearly shall be covered</b>

**UNIT II**

**REHEARSAL**

**Prescribed Text: Modern Indian History Contemporary World and Civics -Jacob and Tayal**

Reference Book	Goyal brothers	Reference Book		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter
9	Netaji and INA	Formation and function of Force formation of INA and function	13	Second World War
10	Independence and partition of india	Cabinet Mission Plan , Indian independence act	14	United Nations
			15	Non Aligned movement



- 11 First World War Causes and effects .  
12 Rise of Dictatorship Rise of Fascism, Nazism , all domestic and foreign policies of Hitler and Mussolini , effects .

**Civics**

- 3 The Judiciary Formation and function of Supreme court and High court different subordinate court in district , Lok Adalat .

**All portions taught**

**All appropriate portions shall be covered**

**ST FRANCIS XAVIR SCHOOL**

**GEOGRAPHY**

**CLASS X**

**SYLLABUS 2021-2022**

**Text Book - Total Geography Part 2 -Morning Star**

**Reference Book - Comprehensive Geography -Part 2 - Frank EMU**

**Toposheets & Maps Work Book**

UNIT I			HALF YEAR	
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter
8	Climate of India (Reference Book as well)	Variations Seasons Rainfall	11	Water Resources
9	Soils in India	Formation Classification & Characteristics Distribution Soil Erosion Soil Conservation	15	Agriculture in India - I
10	Natural Vegetation	Environmental Factors Types & Distribution Correlation With Environment Forest Conservation	16	Agriculture in India II
		National Forest Policy	17 & 18	Agriculture in India III
12	Minerals & Energy Resources Reference Book	Iron Ore , Manganese , Copper, Bauxite - Uses & Distribution	1 TO 5	Interpretation of Survey Map (A New Topo Map Book)
13	Conventional Sources	Coal , Petroleum & Natural Gas (Distribution ,Advantages & Disadvantages. Hydel Power - Bhakra Nangal, Hirakud Dam)	6	Mapwork
14	Non Conventional Sources	-Solar, Wind, Tidal, Geo Thermal, Nuclear & Biogas (generation & Advantage)		<b>Submission date : By 06.08 .</b>  PROJECT

**All portions taught**

**Appropriate portions from 1  
Half Yearly shall be covered**

UNIT II			REHE	
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter
19	Agro Based Industries	Agrobased - Sugar , Textile (	21	Transport
20	Mineral Based Industries	Mineral based - Iron & Steel (TISCO , Bhilai Rourkela , Vishakhapatnam) Petrochemical & Electronics		Reference Book
1 TO 6	6 Map Work Survey Map (A New Topo Map Book)	India 45D/7 & 45D/10	22	Impact of Waste Accumulation
			23	Need for Management of Waste
			24	Safe Disposal of Waste
			25	Reduce - Reuse - Recycle

Survey Map  
(A New Topo Map Book )  
Map Work  
Project

**All portions taught**

**All appropriate portions taught  
shall be covered**

**ST. FRANCIS XAVIER SCHOOL**  
**MATHEMATICS**  
**CLASS X**  
**SYLLABUS 2021 -2022**

**UNIT I**

**HALF Y**

Prescribed Text: Understanding ICSE Mathematics			Reference Text: Concise Ma	
Ch. No.	Name of the Chapter	Topic	Ch. No.	Name of the Chapter
	1 Goods and Service Tax	Problems on G.S.T		6 Factorization
	4 Linear Inequation	Solving Linear Inequation		11 Section Formula
	10 Reflection	Representing on Number Lin Graphical Method Invariant point Combination of Reflection		2 Banking
	18 Trigonometric Identities	Identities (Proof)		21 Measres of Central Tendency
	5 Quadratic Equation	Shreedhar Acharya formula Roots and nature of roots Problem Sums		14 Locus
	13 Similarity	Angle & Area Principle Size transformation		7 Ratio and Proportion
				22 Probability
				8 Matrices
				12 Equation of Straight Line

**All portions taught**

**Appropriate portions from t  
Half Yearly shall be covered**

Project – I : Comparing Newspaper coverage by 3 daily News papers in 3 languages for 2 different days.

Project – II : Survey of various types of Bank accounts, rates of interest offered.

**UNIT II**

**REHE**

Prescribed Text: Understanding ICSE Mathematics			Reference Text: Concise Ma	
Ch. No.	Name of the Chapter	Topic	Ch. No.	Name of the Chapter
	15 Circle	Angle Property Cyclic Property Tangent and Secant Property		17 Mensuration 16 Construction
	20 Heights & Distance	Angle of Elevation & Depression		

9 Arithmetic and Geometric Progressions  
3 Share and Dividend

Problems based on Height & Distance  
Finding General term  
Finding the sum of first n terms  
Formula of Dividend  
Problems on Share and Dividend

**All portions taught**

Project – III : Home Budget

REHERSAL :

**All appropriate portions taught shall be covered**

**ST. FRANCIS XAVIER SCHOOL**

**PHYSICS**

**CLASS X**

**SYLLABUS 2021-2022**

**UNIT I**

**HALF Y**

<b>Prescribed Text : Concise physics</b>			<b>Reference Book : Goy</b>	
<b>Ch. No.</b>	<b>Name of the Chapter</b>	<b>Topic</b>	<b>Ch.No.</b>	<b>Name of the Chapter</b>
1	Force	Contact, Non Contact Forces Newton's Laws	5	Refraction of light through Lenses
2	Work, Power and Energy	Work, Power and Energy Re.	6	Spectrum
3	Machines	Lever, Pulleys.	8	Current Electricity
4	Refraction of light at plane Surface	Parallel Block, Prism Relation	7	Sound
<b>All portions taught</b>			<b>PRACTICAL</b> <b>Appropriate portions from 1</b> <b>Half Yearly shall be covered</b>	

**UNIT II**

**REHE**

<b>Prescribed Text : Concise physics</b>			<b>Reference Book</b>	
<b>Ch. No.</b>	<b>Name of the Chapter</b>	<b>Topic</b>	<b>Ch. No.</b>	<b>Name of the Chapter</b>
11	Calorimetry	Specific Heat Capacity, Latent	9	Household Circuit
12	Radioactivity	Nature and properties of alpha, beta and gamma radiation. Nuclear fission and fusion.	10	Electro Magnetism
<b>All portions taught</b>			<b>PRACTICAL</b> <b>Full (ICSE Class X)</b> <b>Syllabus 12 chapters</b> <b>All appropriate portions taught</b> <b>shall be covered</b>	

**ST. FRANCIS XAVIER SCHOOL**  
**CHEMISTRY**  
**CLASS X**  
**SYLLABUS 2021-22**

**UNIT I**

**HALF YEARLY**

<b>CONCISE CHEMISTRY BY SELINA</b>			<b>CONCISE CHEMISTRY BY SELINA</b>	
<b>Chapter No.</b>	<b>Name of the Chapter</b>	<b>Topic</b>	<b>Chapter No.</b>	<b>Name of the Chapter</b>
1	Periodic table	Modern periodic table Salient features of the modern periodic table Period, groups, orbit and valency Periodic properties	3	Acid, bases and salts
2	Chemical bonding	Types of chemical bonding Electron dot diagram Redox reaction	4	Analytical chemistry.
5	Mole concept and stoichiometry	Co-ordinate bond Gay-Lussac's and Avogadro's law Relative atomic mass and atomic weight Percentage composition, empirical formula, molecular formula. Calculations based on chemical equations <b>All portions taught</b>	8	Study of compounds
				<b>Practical Chemistry</b>
				<b>Appropriate portions from the Half Yearly shall be covered</b>

**UNIT II**

**REHEARSAL**

<b>CONCISE CHEMISTRY BY SELINA</b>			<b>CONCISE CHEMISTRY BY SELINA</b>	
<b>Chapter No.</b>	<b>Name of the Chapter</b>	<b>Topic</b>	<b>Chapter No.</b>	<b>Name of the Chapter</b>
			7	Metallurgy
6	Electrolysis	Concept about electrolysis Electrochemical series Examples of electrolysis Applications of electrolysis	10	<b>Practical Chemistry</b>
12	Organic chemistry	Organic compounds, IUPAC Nomenclature Alkanes, alkenes, alkynes, alcohols and carboxylic acids- Preparation, properties, identification tests and uses.  <b>All portions taught</b>		<b>Practical based on ICSE syllabus shall be covered</b>
				<b>All appropriate portions taught shall be covered</b>

**ST FRANCIS XAVIER SCHOOL**  
**BIOLOGY**  
**CLASS X**  
**SYLLABUS 2021-22**

**UNIT I**

**HALF Y**

Prescribed Text	ICSE Concise Biology - 10 Selina
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Ch. No	Name of the Chapter	Topic	Ch.No	Name of the Chapter
				6 Photosynthesis
4	Absorption by roots	Characteristics of roots for absorption, Imbibition Osmosis & its experiments Turgidity & its Applications Plasmolysis Ascent of sap		8 Circulatory system
5	Transpiration	Process Apparatus Kinds of transpiration Factors affecting transpiration Experiments Significance		9 Excretory system
				10 Nervous system
				11 Sense Organs
				12 Endocrine system
				13 Reproductive system

**Topics to be covered as per ]**



**All portions taught**

**Appropriate portions from t  
Half Yearly shall be covered**

**UNIT II**

**REHE**

**Prescribed Text**

**ICSE Concise Biology - 10 Selina**

<b>Ch.No</b>	<b>Name of the Chapter</b>	<b>Topic</b>	<b>Ch.No</b>	<b>Name of the Chapter</b>
15	Population	Reason for population explosion Terms and definition Methods of contraception	3	Genetics
1	Cell	Components of cell and their function		
2	Structure of chromosomes	Types of division Mitosis and its stages Meiosis and its stages Chemical composition Structure of DNA	7	Chemical coordination in plants
			14	Human evolution

16 Pollution- A Rising  
Environmental  
Pollution Problem  
Syllabus for finals  
Practical as per ICSE Syllabus  
Practical File is to be submitted  
**All appropriate portions taught shall be covered**

**All portions taught**

**ST. FRANCIS XAVIER SCHOOL**  
**COMPUTER APPLICATIONS**  
**CLASS X**  
**SYLLABUS 2021-2022**

**UNIT I**

**HALF Y**

LOGIX Computer Applications			LOGIX Computer	
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter
1	OOP concept	OOP	5	User Defined Methods
2	Introduction to Java	What is object, Encapsulation, class		
3	Values and Data types	Abstraction, Object factory		
4	operators in Java	Byte code, Operation & expression		
6	input in java	Data types, Tokens, Variables		
7	mathematical library function	Constants, byte code, compilation of java		
8	conditional construct in java	Method main		
9	Iterative constructs in Java	Java character set		
		Decision making Statements		
		Programming structure	11	Constructors
		Selection statement (if and switch)		
		Obtaining input using Scanner class		
		Object, Class		
		Member variables	15	String Handling
		Object implementation		
		Instantiating an object, Access specifier		
		Object as an instance of class		
14	Arrays	Need of arrays, Creating an array <b>Project Work (20 programs from class object concept, Types- Single dimensional array, If else &amp; switch, loop, Constructor, Method overloading storing value in 1D array</b> <b>Ch- 1,2,3,4,5,6,7,8,9,11,14,15 &amp; project submission (1 Searching: Linear &amp; Binary Search</b> <b>Sorting: Selection &amp; Bubble &amp; project submission on or before 02/08/2020 (1st part)</b> Accepting data in 2D array, sum of the elements row, column, and diagonal element Array in matrix format. Arrays vs. object. Advantages and disadvantages of arrays		
		<b>All portions taught</b>		<b>Appropriate portions from 1 Half Yearly shall be covered</b>

**UNIT II**

**REHE**

<b>LOGIX Computer Applications</b>			<b>LOGIX Computer</b>	
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<b>Ch No.</b>	<b>Name of the Chapter</b>	<b>Topic</b>	<b>Ch No.</b>	<b>Name of the Chapter</b>
13	Encapsulation & Inheritance	Encapsulation, Access specific Scope and visibility rules Implementing encapsulation	12	Library classes
9	Iterative Constructs in Java	For loop While loop Do while loop Nested loops Comparison of loops & jump statement		
10	Nested for loop	Nested loop with break and continue		

**Syllabus for Annual**

**Ch 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 & practical programs**

**(20 programs from the assignment)**

**Project Submission (2nd part) & project submission on or before 06/12/2021 (21st Dec)**

**All portions taught**

**All appropriate portions taught shall be covered**

**UNIT I****ICSE Economic Applications - Goyal Brothers Prakashan**

<b>Ch No.</b>	<b>Chapter Name</b>	<b>Topic</b>
1	Theory of Demand	Meaning of Demand Determinants of Demand Law of Demand Movement along and shift in Demand Curve Measurement of Elasticity of Demand Income Elasticity of Demand Cross Elasticity of Demand
2	Theory of Supply	laws of Supply Importance and measurement of elasticity of Supply.
3	The Productive Mechanism	Introduction Definition Determinants of the volume of Production Factors of Production
4	Factors of Production	Meaning Methods and importance of Creation of Utility Difference between Production and Consumption Factors of Production Factors Affecting The Volume of Production

**All portions taught**

UNIT II			
ICSE Economic Applications - Goyal Brothers Prakashan			
Ch No.	Chapter Name	Topic	
10	Money and Banking	Definition, Functions, Importance Money and its Function and Features Barter System of Exchange and its difficulties Evils of Money Meaning, Types, Effects Banking Meaning, Classifications and Functions Meaning, Basic Concepts, Mechanism of Credit Creation b	
		Definition, Evolution and Functions Importance of Central Bank Comparison between Central and Commercial Bank	

**All portions taught**

**Projects: ( Any four)**

- 1 Prepare a Report on the Problems and Prospects of any Public Sector Enterprises.
- 2 Prepare a detailed report on various ecosystems available in India.
- 3 Make a list of products for which you think demand is price inelastic and price elastic. Specify the reasons.
- 4 Take a case of 5 FMGCs. Analyze as too how the market for this products is characterised by the product differentiatio
- 5 Take a case of nationalised bank. Analyse the main functions of this bank branch.

**ST.FRANCIS XAVIER SCHOOL**  
**SOCIALLY USEFUL PRODUCTIVE WORK**  
**SESSION 2021-2022**

**CLASS X**

<b>UNIT -1</b>	<b>HALF YEARLY</b>
TOPIC Each one teach one	TOPIC Pen Stand
<b>UNIT -2</b>	<b>REHEARSAL</b>
TOPIC Medicinal plant.	TOPIC Laundry work

## UNIT -1

TOPICS & COMMANDS	BENEFIT
*General Warm-ups *Yoga Exercises *Indoor Games - Carom board, Table Tennis, Chess, Ludo *March past	Improving body flexibility Stress relief, helps digestion Developing mental ability & Psychomotor skills Development of co-ordination skills

## UNIT -2

TOPICS & COMMANDS	BENEFIT
Stretching exercise Tug of War Balance race Relay race	To increase strength and body flexibility Improving body strength Improvement of body balance Improvement of stamina

\* The marked activities will be continued throughout the session











**पूछो**

शिवमंगल सिंह सुमन  
कबीर दास  
सुभद्रा कुमारी चौहान

हरि कृष्ण प्रेमी  
रामकुमार वर्मा  
उपेंद्रनाथ अशक

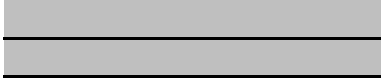
त्र लेखन  
**nd**

द का प्रयोग

d

ividhiyo ka aayina hai





## **YEARLY**

### **Goyal Brothers**

#### **Topic**

Causes, effects , Swadeshi and Boycott movement .

Causes , objectives , Lucknow Pact, Home Rule movement .

Non cooperation , civil disobedience , causes impact , Simon Commission, Poorna Swaraj, Gandhi Irwin pact , Round Table conference, Cripps Mission, Quit India Movement .

United Nations Organs and Agencies  
19.8.2021

**the topics taught in Unit I and d**

## **ARSAL**

### **Goyal Brothers**

causes , effects .

Organs and Agencies formation and function

Meaning , objectives , Panchsheel, role of

Nehru, relevance in modern world, architects

**ight throughout the session**



YEARLY
Topic

Importance & need for irrigation in India

Sources - Surface & Groundwater

Irrigation : Importance & Method

Conservation of water

Rainwater harvesting & Its Importance

Importance

Salient Features

Problems

Types of Agriculture in India

Food Crops

Rice, Wheat ,Millet, Pulses

Cash Crops

Sugarcane ,Oilseeds

(Groundnut , Mustard,

Soyabean )

Cotton ,Jute ,Tea ,Coffee

45D/7 & 45D/10

India

21

Waste Generation & Management

OR

Tourist Destinations in India

OR

Transport in India

**the topics taught in Unit I and  
d**

<b>ARSAL</b>
<b>Topic</b>

Roadways

Railways

Waterways

Airways

Problems

Impact of Waste Accumulation

Need for Management of Waste

Safe Disposal of Waste

Reduce - Reuse - Recycle

45D/7 & 45D/10

India

**ught throughout the session**

**YEARLY**

**thematics**

**Topic**

Remainder Theorem  
Use of remainder theorem in factorization  
Section Formula  
Collinearity of three points  
Interest calculation on Recurring Deposit  
Problems based on Recurring Deposit  
Calculating Mean by different Methods  
Median of group data with graph (Ogive)  
Mode of group data with graph (Histogram)  
Construction Principle  
Ratio and Proportion Introduction  
Problems based on k-method  
Problems based on Properties of Proportion  
Definition of Probability and Related Problems  
Order of Matrix and Operation on Matrix  
Multiplication Rules of two Matrix  
Different Forms of Equations formation  
Conditions of parallelism and perpendicularity

**the topics taught in Unit I and**

**d**

**(10.06.2021)**

**ARSAL**

**thematics**

**Topic**

Cylinder ,Cone and Sphere  
Tangent to a circle  
Circumscribed and Inscribed Circle

**(11.11.2021)**

Full Syllabus

**ight throughout the session**

## **YEARLY**

**Goyal Brothers Prakashan**

### **Topic**

Convex Lenses

Concave Lenses

Spectrum Analysis

E.M.F, Potential Difference & Resistance

Vibration, Resonance

**As per ICSE Syllabus**

**the topics taught in Unit I and**

**d**

## **ARSAL**

**Goyal Brothers Prakashan**

### **Topic**

Power Supply, Electric Household Appliances

Electric Bell, D.C Motor

A.C Generator & Transformer

**As per ICSE Syllabus**

All Topics included in 12 chapters

(Revision Lesson)

**ught throughout the session**

**YEARLY**

**ELINA**

**Topic**

Physical and chemical properties of acids,  
bases and salts

Preparations

Types of salts and their examples

Water of crystallisation

Uses of ammonium hydroxide and sodium  
hydroxide and their standard tests.

Hydrogen chloride, ammonia, nitric acid  
sulphuric acid

Observations based on ICSE syllabus.

**the topics taught in Unit I and**

**d**

**ARSAL**

**ELINA**

**Topic**

Metals and non-metals

Study of activity series of metals

Extraction of metals

Uses of metals and alloys

Observations based on ICSE syllabus.

**labus.**

**ight throughout the session**

**YEARLY**



**Topic**

- Process and phases of Photosynthesis
- Adaptation in Leaf
- Carbon cycle
- Factors affecting Photosynthesis
- Importance of Photosynthesis
- Blood and its composition
- Clotting of blood
- Blood groups
- Heart & circulation
- Blood vessels
- Tissue fluid & lymph
- Excretion and different organs
- Kidney and its different structures
- Function of the kidney
- Constituents of urine
- Osmoregulation
- Structure of a neuron & its kinds
- Brain & its parts
- Spinal cord & reflex action
- Peripheral nervous system
- Structure of the eye
- Structure of the ear
- Hormones and enzymes
- Different endocrine glands
- Control of hormone secretion
- Male reproductive system
- Female reproductive system
- Menstrual cycle

**ICSE syllabus**

**the topics taught in Unit I and**

**d**

**ARSAL**



**Topic**

Mendel's experiments

Mono and dihybrid crosses

Definition

Sex linked inheritance

Site of formation of plant hormones

Effects of plant hormones

Tropic movements

Human evolution

Lamarckism and darwinism

Pollution [air, water, soil, thermal, noise]

Effects on climate and environment

Ozone depletion

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15,16

s

ed by 22 / 11 / 2021

**ight throughout the session**



**YEARLY**

**Applications**

**Topic**

Function definition

advantages, invoking methods

Returning from a function

pure & impure method

Function overloading

Calling of overloaded functions

call by value (programs), call by reference

(only definition with an example.)

static and nonstatic methods

What is a constructor? Need of it.

Types of constructor, this keyword

constructor overloading.

Constructor vs Method

Creating string

Methods used in string- Definition with an example

String array

**; String functions)**

**1st part)**

**rt)**

**the topics taught in Unit I and**

**d**

**ARSAL**

**Applications**

**Topic**

Primitive, Composite datatypes

User defined data types

Wrapper class

Methods in wrapper class

Numeric wrapper class methods

Utility of wrapper class methods

Auto Boxing and Un Boxing in Wrapper Classes

**ams .**

**Document sheet)**

**and part)**

**light throughout the session**

**ST. FRANCIS XAVIER SCHOOL**  
**ECONOMIC APPLICATIONS**  
**CLASS X**  
**SYLLABUS 2021-2022**

		<b>HALF YEARLY</b>	
		<b>ICSE Economic Applications - Goyal Brothers Prakashan</b>	
<b>Ch No.</b>	<b>Chapter Name</b>	<b>To</b>	
4	Land	Introduction	
		Characteristics	
		Importance of Land	
		Factors Affecting The Production of Land	
		Methods of Cultivation and their features	
5	Labour	Introduction	
		Types of Labour	
		Characteristics	
		Importance of Labour	
		Factors Affecting The Production of Land	
		Division of Labour	
		Merits and Demerits of Efficiency of Labour	
		Causes of Low Efficiency in India	
6	Capital	Definition	
		Characteristics	
		Functions and Importance of Capital	
		Factors Affecting Capital Formation	
		Causes of Low Capital Formation	
7	Enterprise	Definition	
		Distinction Between Entrepreneur and other human factors	
		Qualities and Importance of Entrepreneur	
8	Alternative Market Structure:	Basic Concept of Market	
		Nature and Structure of Markets	
		Classification of market on the basis of time, competition, function, control and transaction	
		Different types of market and their differentiation	

**Appropriate portions from the topics taught in Unit I and  
Half Yearly shall be covered**  
Submission date for project -**31/8/2021**

		<b>REHEARSAL</b>	
		<b>ICSE Economic Applications - Goyal Brothers Prakashan</b>	
<b>Ch No.</b>	<b>Chapter Name</b>		<b>To</b>
	9 The State and Economic Development	Role of State in Promoting Economic Instruments of State Intervention/ Fiscal Policy - Meaning and Objectives Taxation - Nature of Taxes, Direct and Proportional, Progressive, Regressive and Which Tax System is Suitable? Public Expenditure - Types and its Monetary Policy - Meaning	
by Single and Multiple Banks			

All chapters as prescribed by the ICSE syllabus

**Submission date 4/1/2022**

**All appropriate portions taught throughout the session  
shall be covered**



**ST. FRANCIS XAVIER SCHOOL**  
**PHYSICAL EDUCATION**  
**CLASS – X**  
**SYLLABUS 2021 – 2022**

**HALF YEARLY**

<b>S &amp; VALUES</b>	<b>TOPICS &amp; COMMANDS</b>	<b>BENEFITS</b>
	*Stretching exercise Flat race-100m.,200m Fitness Training-jogging, shuttle run *Outdoor Games Basketball, football, cricket	Body Flexibility Improvement of stamina Developing body fitness Development of team spirit

**REHEARSAL**

<b>S &amp; VALUES</b>	<b>TOPICS &amp; COMMANDS</b>	<b>BENEFITS</b>
	Fitness Training-jogging, shuttle run Spoon and Marble Race  <b>PROJECT: Biography of any ideal player</b>	To increase strength, speed, end Improvement of dynamic balan















































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