

ST. FRANCIS XAVIER SCHOOL
ENGLISH LANGUAGE
CLASS X
SYLLABUS 2022- 2023

UNIT I

HALF YEARLY

Prescribed Text: Total English					
SL NO.	TOPIC	CONTENTS	SL NO.	TOPIC	CONTENTS
WRITING SKILLS			WRITING SKILLS		
1	Comprehension	Skills	1	Composition	Narrative
2	Letter Writing	Formal			Descriptive
		Informal			Argumentative
3	GRAMMAR	Tenses and their Uses I and II	2	Letter Writing	Formal
		Agreement of Verb with the Subject			Informal
		Transformation of Sentences	3	Comprehension	Analysis and Suggested Answers
		Aural Comprehension and Oral Skills	4	GRAMMAR	Tenses and their Uses 1 and 2
		English Language Assessment test			Prepositions
		Active and Passive Voice			Joining of sentences
		Beginning and Ending			Transformation of sentences 1 and 2
		Organisation and Planning			Summary Writing and Personal Writing
		Gathering the Subject Matter	5	Notice and Email	
4	Notice and Email		6	Project Assignment	English oral skill
					Aural Comprehension and Oral Skills test

UNIT II

PRE BOARD

Prescribed Text: Total English					
SL NO.	TOPIC	CONTENTS	SL NO.	TOPIC	CONTENTS
WRITING SKILLS			WRITING SKILLS		
1	Comprehension	Unseen	1	Composition	Argumentative
2	Letter Writing	Informal			Picture composition
3	GRAMMAR	Words Often Confused			Story writing
		Direct and Indirect Speech	2	Letter Writing	Letters of Complaint and Invitation
		Adverbs			Informal
		Factual Writing	3	Comprehension	Sense and Interpretation

Paragraph Writing
Conditional Sentences
Critical Writing
Synthesis
Spelling Bee
Adjectives
Mind Your Expressions
Characters
Selective Summary

4 GRAMMAR

5 Notice and Email

6 Project Assignment

Tenses
Prepositions
Joining of sentences
Transformation of sentences

English oral skill
Aural Comprehension and Oral Skills test

ST. FRANCIS XAVIER SCHOOL
ENGLISH LITERATURE
CLASS X
SYLLABUS 2022- 2023

UNIT I

HALF YEARLY

Prescribed Textbook	Treasure Trove	Prescribed Textbook	Treasure Trove
	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
Prescribed Textbook	The Merchant of Venice	Prescribed Textbook	The Merchant of Venice
	Act III Scene II		Act III: Scene III Scene IV Scene V Unit I syllabus to be included

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.

Submission Date: 15.06.2022

UNIT II

PRE-BOARD

Prescribed Textbook	ICSE Collection of Poems and Short Stories	Prescribed Textbook	ICSE Collection of Poems and Short Stories
	1.Nine Gold Medals 2. All Summer in a Day		The Merchant of Venice: Act V Scene I
Prescribed Textbook	The Merchant of Venice	The entire syllabus of class X to be included.	
	Act IV: Scene I and II		

Submission Date: 31.01.2023 **Project Assignment- The Merchant of Venice: Trial Scene: A Critical Analysis.**

ST. FRANCIS XAVIER SCHOOL

Hindi

CLASS -X

SYLLABUS 2022-23

UNIT-I

Prescribed Text: साहित्य सागर

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

All portions taught

UNIT II

साहित्य सागर

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

All portions taught

REHEARSAL

whole ICSE syllabus

एकांकी संचय

Whole syllabus

व्याकरण और रचना

whole syllabus

Subission Date : 06.1.23

HALF YEARLY

Prescribed Text: साहित्य सागर हां पूछो

CH. NO.	CHAPTERS	
9	चलना हमारा काम है	शिवमंगल सिंह सुमन
1	साखी	कबीर दास
10	मात्री मंदिर की ओर	सुभद्रा कुमारी चौहान
	एकांकी संचय	
3	मातृभूमि का भान	हरि कृष्ण प्रेमी
6	दीपदान	रामकुमार वर्मा
4	सूखी डाली	उपेंद्रनाथ अशक
	including class IX syllabus	
	व्याकरण और रचना	
	अपठित गद्यांश, निबंध लेखन, पत्र लेखन	

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

पर्यायवाची शब्द विलोम शब्द
तत्सम, तद्भव, मुहावरे
वाक्य परिवर्तन, शब्द समूह के लिए एक शब्द का प्रयोग
संज्ञा से विशेषण
भाववाचक संज्ञा
including UT 1, half yearly and
class IX syllabus

Samachar Patra samajh ke gatividhiyo ka aayina hai

Subission Date : 15/06/2022

All appropriate portions taught throughout the session shall be covered

ST. FRANCIS XAVIER SCHOOL

BENGALI

CLASS-X (2nd Language)

SESSION 2022-2023

UNIT - I EXAMINATION

Prescribed Text Books	Chapter / Topics	Activity
1.Sankolita (Short stories)	1.Gandhota Khub Sandehojanak	Reference to context Short questions and answers
2. Sankolita (Poems)	1.Babu Balen	Explanation
3. Grammar	Voice change Narration change Misspelt words etc.	
<u>Project topics</u>	1. Ekti Local Train a Bhromoner oviggota (Composition) 2.amalkanti(Poem) by Nirendranath Chakraborty Nil Manusher Kahini (Prose)by Sunil Gongopadhyay	

Date Of Sumission 29th July 2022

All portions taught

HALF-YEARLY EXAMINATION

Prescribed Text Books	Chapter / Topics	Activity
1.Sankolita (Short Stories)	1.Lokti 2.Bama 3. Ashojogi	Word meaning Explanation Proverbs Punctuation marks
2. Sankolita (Poems)	1.Kho-Kho 2.Amalkanti 3. Phool Futuk Na Futuk & unit 1 syllabus	Voice change, Narration change, Spelling mistake transformation of sentences Short notes Homonyms
3. Grammar & composition	essay writing	One word expression Reference to context

letter writing
 comprehension
 voice change
 narration change
 misspelt words etc.
 joint word
 transformation of sentences etc.
 punctuation mark
 synonyms, homonyms

Short questions and answers
 Synonyms

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

UNIT -II EXAMINATION		
Prescribed Text Books	Chapter / Topics	Activity

1.Sankolita (short stories)	1.Debotar Jonmo	One word expression
2. Sankolita (poems)	2. Abar Ashibo Phire	Reference to context
3. Grammar	1.Phul futuk na futuk Joint word, Proverbs All portions taught	

REHEARSAL EXAMINATION		
Prescribed Text Books	Chapter / Topics	Activity

1.sankolita (short stories)	Whole book(10 stories to be studied Prescribed by I.C.S.E)	Word meaning Explanation Proverbs Punctuation marks
2. Sankolita (poems)	Whole book(10 poems to be studied Prescribed by I.C.S.E)	Voice change, Narration change, Spelling mistake transformation of sentences Short notes Homonyms

3. Grammar & composition

Essay writing
Letter writing
Comprehension
Transformation of sentences etc.
Punctuation Mark
Synonims, Homonims
Proverbs
Voice change
Narration change
Misspelt words etc.
Joint word

One word expression
Reference to context
Short questions and answers
Synonyms

All appropriate portions taught throughout the session shall be covered

ST. FRANCIS XAVIER SCHOOL
HISTORY & CIVICS
 Class X
Session 2022-23

UNIT I

HALF YEARLY

Prescribed Text: Total History and Civics by Morning Star, History and Civics by Jacob

	Reference Book Goyal brothers (Chapters taught from both the books)	Reference Book Goyal Brothers	
Ch No.	Name of the Chapter	Topic	Ch No. Name of the Chapter Topic
1	Revolt of 1857 First war of Independence	Political , Social , Military Economic causes , effects .	5 Partition of Bengal Causes, effects , Swadeshi and Boycott movement . Causes , objectives , Lucknow Pact, Home Rule
2	Rise of Nationalism	Causes , formation of Indian national Congress aims ,other associations and their aims .	6 Formation of Muslim League movement .
3	Rise of Early nationalists and Radicals	Objectives , Methods , demands , Dadabhai Naoroji , Surendranath Banerjee , Gokhale . Tilak,Lala Lajpat, policies and programmes	7 Mahatma Gandhi Non cooperation , civil disobedience , causes impact , Simon Commission, Poorna Swaraj, Gandhi Irwin pact , Round Table conference, Cripps Mission, Quit India Movement .
<u>Civics</u>			
1	The Union Legislature	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 Submission date: 19.8.2022
All portions taught			
Appropriate portions from the topics taught in Unit I and Half Yearly shall be covered			

UNIT II

REHEARSAL

Prescribed Text: Total History and Civics by Morning Star.

	Reference Book Goyal brothers	Reference Book Goyal Brothers	
Ch No.	Name of the Chapter	Topic	Ch No. Name of the Chapter
9	Netaji and INA	Formation and function of Forward Bloc ,	13 Second World War causes , effects .

		formation of INA and function .	14	United Nations	Organs and Agencies formation and function
10	Independence and partition of india	Cabinet Mission Plan ,Indian independence act	15	Non Aligned movement	Meaning , objectives , Panchsheel, role of Nehru, relevance in modern world, architects
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 .			
	<u>Civics</u>			All appropriate portions taught throughout the session shall be covered	
3	The Judiciary	Formation and function of Supreme court and High court different subordinate court in district , Lok Adalat . All portions taught			

ST. FRANCIS XAVIER SCHOOL
GEOGRAPHY
CLASS X
SYLLABUS 2022-2023

UNIT I

HALF YEARLY

**Prescribed Text Book - Total Geography Part 2 -Morning Star,Reference Book -Modern Certificate Geography -Part 2 - Frank,
 Toposheets & Maps Work Book**

Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
8	Climate of India (Reference Book as well)	Variations Seasons Rainfall	11	Water Resources	Importance & need for irrigation in India Sources - Surface & Groundwater Irrigation : Importance & Method Conservation of water Rainwater harvesting & Importance
9	Soils in India	Formation Classification & Characteristics Distribution Soil Erosion Soil Conservation	15	Agriculture in India - I	Importance Salient Features Problems Types of Agriculture in India
10	Natural Vegetation	Environmental Factors Types & Distribution Correlation With Environment Forest Conservation	16	Agriculture in India II	Food Crops Rice, Wheat ,Millet, Pulses
12	Minerals & Energy Resource Reference Book	National Forest Policy Iron Ore , Manganese , Copper, Bauxite - Uses & Distribution	17 & 18	Agriculture in India III	Cash Crops Sugarcane ,Oilseeds (Groundnut , Mustard, Soyabean) Cotton ,Jute ,Tea ,Coffee
13	Conventional Sources	Coal , Petroleum & Natural Gas (Distribution ,Advantages & Disadvantages. Hydel Power - Bhakra Nangal, Hirakud Dam)	1 TO 5	Interpretation of Survey Map (A New Topo Map Book)	45D/7 & 45D/10
14	Non Conventional Sources	-Solar, Wind, Tidal, Geo Thermal, Nuclear & Biogas (generation & Advantage)	6	Mapwork	India
				Submission date : By 06.08 .22	
				PROJECT	Waste Generation & Management OR Tourist Destinations in India OR Transport in India
		All portions taught			Appropriate portions from the topics taught in Unit I and Half Yearly shall be covered

UNIT II**ANNUAL**

**Prescribed Text Book - Total Geography Part 2 -Morning Star,Reference Book -Modern Certificate Geography -Part 2 - Frank,
Toposheets & Maps Work Book**

19 Agro Based Industries	Agrobased - Sugar , Textile (Cotton & Silk)	21 Transport	Roadways
20 Mineral Based Industries	Mineral based - Iron & Steel (TISCO , Bhilai Rourkela , Vishakhapatnam) Petrochemical & Electronics	Reference Book	Railways Waterways Airways Problems
6 Map Work	India	22 Impact of Waste	Impact of Waste Accumulation
1 TO 6 Survey Map (A New Topo Map Book)	45D/7 & 45D/10	Accumulation	
		23 Need for Management of Waste	Need for Management of Waste
		24 Safe Disposal of Waste	Safe Disposal of Waste
		25 Reduce - Reuse - Recycle Survey Map (A New Topo Map Book) Map Work Project	Reduce - Reuse - Recycle 45D/7 & 45D/10 India

All portions taught

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

ST. FRANCIS XAVIER SCHOOL
MATHEMATICS
CLASS X
SYLLABUS 2022 -2023

UNIT I

HALF YEARLY

Prescribed Text: Understanding ICSE Mathematics			Reference Text: Concise Mathematics		
Ch. No.	Name of the Chapter	Topic	Ch. No.	Name of the Chapter	Topic
2	Banking	Interest calculation on Recurring Deposit Problems based on Recurring Deposit	6	Factorization	Remainder Theorem Use of remainder theorem in factorization
4	Linear Inequation	Solving Linear Inequation Representing on Number Line	11	Section Formula	Section Formula Collinearity of three points
10	Reflection	Graphical Method Invariant point Combination of Reflection	1	Goods and Service Tax	Problems on G.S.T
18	Trigonometric Identities	Identities (Proof)	21	Measures of Central Tendency	Calculating Mean by different Methods Median of group data with graph (Ogive) Mode of group data with graph (Histogram)
5	Quadratic Equation	Shreedhar Acharya formula Roots and nature of roots Problem Sums	14	Locus	Construction Principle
13	Similarity	Angle & Area Principle Size transformation	7	Ratio and Proportion	Ratio and Proportion Introduction Problems based on k-method Problems based on Properties of Proportion
			8	Matrices	Order of Matrix and Operation on Matrix Multiplication Rules of two Matrix
			12	Equation of Straight Line	Different Forms of Equations formation Conditions of parallelism and perpendicularity
All portions taught			Appropriate portions from the topics taught in Unit I and 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.

(10.06.2022)

UNIT II**REHEARSAL****Prescribed Text: Understanding ICSE Mathematics****Reference Text: Concise Mathematics**

Ch. No.	Name of the Chapter	Topic	Ch. No.	Name of the Chapter	Topic
15	Circle	Angle Property Cyclic Property Tangent and Secant Property	17	Mensuration	Cylinder ,Cone and Sphere
20	Heights & Distance	Angle of Elevation & Depression Problems based on Height & Distance	16	Construction	Tangent to a circle Circumscribed and Inscribed Circle
9	Arithmetic and Geometric Progressions	Finding General term Finding the sum of first n terms	22	Probability	Definition of Probability and Related Problems
3	Share and Dividend	Formula of Dividend Problems on Share and Dividend		Project – III : Home Budget	(11.11.2022)

All portions taught

REHERSAL :

Full Syllabus

All appropriate portions taught throughout the session shall be covered

ST. FRANCIS XAVIER SCHOOL
PHYSICS
CLASS X
SYLLABUS 2022-2023

UNIT I

HALF YEARLY

Prescribed Text : Concise physics

Reference Book : Goyal Brothers Prakashan

Ch. No.	Name of the Chapter	Topic	Ch.No.	Name of the Chapter	Topic
1	Force	Contact, Non Contact Forces Newton's Laws	5	Refraction of light through Lenses	Convex Lenses Concave Lenses
2	Work, Power and Energy	Work, Power and Energy Relation	6	Spectrum	Spectrum Analysis
3	Machines	Lever, Pulleys.	8	Current Electricity	E.M.F, Potential Difference & Resistance
4	Refraction of light at plane Surface	Parallel Block, Prism Relation	7	Sound	Vibration, Resonance
All portions taught			PRACTICAL As per ICSE Syllabus Appropriate portions from the topics taught in Unit I and Half Yearly shall be covered		

UNIT II

REHEARSAL

Prescribed Text : Concise physics

Reference Book Goyal Brothers Prakashan

Ch. No.	Name of the Chapter	Topic	Ch. No.	Name of the Chapter	Topic
11	Calorimetry	Specific Heat Capacity, Latent Heat	9	Household Circuit	Power Supply, Electric Household Appliances
12	Radioactivity	Nature and properties of alpha, beta and gamma radiation. Nuclear fission and fusion.	10	Electro Magnetism	Electric Bell, D.C Motor A.C Generator & Transformer
All portions taught			PRACTICAL As per ICSE Syllabus Full (ICSE Class X) Syllabus 12 chapters (Revision Lesson) All appropriate portions taught throughout the session shall be covered		

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

UNIT I

HALF YEARLY

CONCISE CHEMISTRY BY SELINA

CONCISE CHEMISTRY BY SELINA

Chapter No.	Name of the Chapter	Topic	Chapter No.	Name of the Chapter	Topic
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	Physical and chemical properties of acids, bases and salts Preparations Types of salts and there examples Water of crystallisation
2	Chemical bonding	Types of chemical bonding Electron dot diagram Redox reaction Co-ordinate bond	4	Analytical chemistry.	Uses of ammonium hydroxide and sodium hydroxide and their standard tests.
5	Mole concept and stoichiometry	Gay-Lussac's and Avogadro's law Relative atomic mass and atomic weight Percentage composition, empirical formula, molecular formula. Calculations based on chemical equations	8	Study of compounds	Hydrogen chloride, ammonia, nitric acid sulphuric acid
All portions taught			Practical Chemistry Observations based on ICSE syllabus.		

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

UNIT II

REHEARSAL

CONCISE CHEMISTRY BY SELINA

CONCISE CHEMISTRY BY SELINA

Chapter No.	Name of the Chapter	Topic	Chapter No.	Name of the Chapter	Topic
6	Electrolysis	Concept about electrolysis Electrochemical series Examples of electrolysis Applications of electrolysis	7	Metallurgy	Metals and non-metals Study of activity series of metals Extraction of metals Uses of metals and alloys
12	Organic chemistry	Organic compounds, IUPAC Nomenclature Alkanes, alkenes, alkynes, alcohols and carboxylic acids- Preparation, properties, identification tests and uses.	10	Practical Chemistry	Observations based on ICSE syllabus.

All portions taught

Practical based on ICSE syllabus.

All appropriate portions taught throughout the session shall be covered

ST FRANCIS XAVIER SCHOOL
BIOLOGY
CLASS X
SYLLABUS 2022-2023

UNIT I

HALF YEARLY

Prescribed Text			ICSE Concise Biology - 10 Selina		
Ch. No	Name of the Chapter	Topic	Ch.No	Name of the Chapter	Topic
4	Absorption by roots	Characteristics of roots for absorption, Imbibition Osmosis & its experiments Turgidity & its Applications Plasmolysis Ascent of sap	6	Photosynthesis	Process and phases of Photosynthesis Adaptation in Leaf Carbon cycle Factors affecting Photosynthesis Importance of Photosynthesis
5	Transpiration	Process Apparatus Kinds of transpiration Factors affecting transpiration Experiments Significance	8	Circulatory system	Blood and its composition Clotting of blood Blood groups Heart & circulation Blood vessels Tissue fluid & lymph
			9	Excretory system	Excretion and different organs Kidney and its different structures Function of the kidney Constituents of urine Osmoregulation
			10	Nervous system	Structure of a neuron & its kinds Brain & its parts Spinal cord & reflex action Peripheral nervous system
			11	Sense Organs	Structure of the eye Structure of the ear
			12	Endocrine system	Hormones and enzymes Different endocrine glands

13 Reproductive system Control of hormone secretion
 Male reproductive system
 Female reproductive system
 Menstrual cycle

Practical as per ICSE Syllabus

All portions taught

Topics to be covered as per ICSE syllabus

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

UNIT II

REHEARSAL

Prescribed Text			ICSE Concise Biology - 10 Selina		
Ch.No	Name of the Chapter	Topic	Ch.No	Name of the Chapter	Topic

15	Population	Reason for population explosion Terms and definition Methods of contraception	3	Genetics	Mendel's experiments Mono and dihybrid crosses Definition Sex linked inheritance
1	Cell	Components of cell and their function	7	Chemical coordination in plants	Site of formation of plant hormones Effects of plant hormones Tropic movements
2	Structure of chromosome	Types of division Mitosis and its stages Meiosis and its stages Chemical composition Structure of DNA	14	Human evolution	Human evolution Lamarckism and darwinism
			16	Pollution- A Rising Environmental Pollution Problem	Pollution [air, water, soil, thermal, noise] Effects on climate and environment Ozone depletion
				Syllabus for finals	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15,16

Practical as per ICSE Syllabus

Practical File is to be submitted by 22 / 11 / 2021

All portions taught

All appropriate portions taught throughout the session shall be covered

ST. FRANCIS XAVIER SCHOOL
COMPUTER APPLICATIONS
CLASS X
SYLLABUS 2022-2023

UNIT I

HALF YEARLY

TOUCHPAD Computer Applications -Orange Education Pvt Ltd					
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	Introduction to OOP	OOP	11	User Defined Methods	Function definition advantages, invoking methods
2	Elementary concepts of object	What is object, Encapsulation, class			Returning from a function
3	Values and Data types	Abstraction, Object factory			Pure & impure method
4	Operators in Java	Byte code, Operation & expression			Function overloading
5	Input in java	Data types, Tokens, Variables			Calling of overloaded functions
6	Mathematical library Methods	Constants, byte code			call by value (programs), call by reference (only definition with an example.)
7	Conditional construct in java	Method main			Static and nonstatic methods
8	Iterative constructs in Java	Java character set Decision making Statements Programming structure	12	Constructors	What is a constructor? Need of it. Types of constructor, this keyword Constructor overloading. Constructor vs Method
	Revising basic java concepts	Selection statement (if and switch) Obtaining input using Scanner class Object, Class Member variables Object implementation Instantiating an object, Access specifier Object as an instance of class	16	String Handling	Creating string Methods used in string- Definition with an example String array
9	Nested Loop	Utility and application of nested loops.	10	Class as the basis of all computation	Object, class, creating object, object factory. using this keyword.
15	Arrays	Need of arrays, Creating an array Types- Single dimensional array storing value in 1D array Searching: Linear & Binary Search Sorting: Selection & Bubble Sorting 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	Syllabus for Half yearly including Project Work (20 programs from If else & switch, loop, Constructor, Method overloading, String functions) Ch- 1,2,3,4,5,6,7,8,9,10,11,12,15,16 & project submission (1st part) on or before 02/08/2022 (1st part)		
			Appropriate portions from the topics taught in Unit I and Half Yearly shall be covered		

All portions taught

Syllabus for UNIT I : Ch 1,2,3,4,5,6,7,8,9,15 and Practical programs to be practiced.

UNIT II**REHEARSAL**

TOUCHPAD Computer Applications -Orange Education Pvt Ltd					
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
14	Encapsulation & Inheritance	Encapsulation,Access specifier Scope and visibility rules Implementing encapsulation	13	Library classes	Primitive,Composite datatypes User defined data types Wrapper class
8	Iterative Constructs in Java	For loop While loop Do while loop Nested loops Comparison of loops & jump statement			Methods in wrapper class Numeric wrapper class methods Utility of wrapper class methods Auto Boxing and Un Boxing in Wrapper Classes
9	Nested for loop	Nested loop with break and continue	Syllabus for Annual		
	All portions taught		Ch 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16 & practical programs .		
			All appropriate portions taught throughout the session shall be covered		

Syllabus for UNIT 2 including project work

(20 programs from the assignment sheet)

Ch- 8,9,10,14,16, & Project Submission (2nd part) on or before 06/12/2022 (2nd part)

ST. FRANCIS XAVIER SCHOOL
ECONOMIC APPLICATIONS
CLASS X
SYLLABUS 2022-2023

UNIT I			HALF YEARLY		
ICSE Economic Applications - Goyal Brothers Prakashan			ICSE Economic Applications - Goyal Brothers Prakashan		
Ch No.	Chapter Name	Topic	Ch No.	Name	Topic
1	Theory of Demand	Meaning of Demand Determinants of Demand Law of Demand Movement along and shift in Demand Measurement of Elasticity of Demand Income Elasticity of Demand Cross Elasticity of Demand	4	Land	Introduction Characteristics Importance of Land Factors Affecting The Production of Land Methods of Cultivation and their features
2	Theory of Supply	laws of Supply Importance and measurement of elasticity of Supply.	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
3	The Productive Mechanism	Introduction Definition Determinants of the volume of Production Factors of Production	6	Capital	Definition Characteristics Functions and Importance of Capital Factors Affecting Capital Formation Causes of Low Capital Formation
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	7	Enterprise	Definition Distinction Between Entrepreneur and other human factors Qualities and Importance of Entrepreneur
			8	Alternative Market	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
All portions taught			Appropriate portions from the topics taught in Unit I and Half Yearly shall be covered		

UNIT II**REHEARSAL****ICSE Economic Applications - Goyal Brothers Prakashan****ICSE Economic Applications - Goyal Brothers Prakashan**

Ch No.	Chapter Name	Topic	Ch No.	Chapter Name	Topic
10	Money and Banking	Definition, Functions, Importance Money and its Function and Features Barter System of Exchange and its Evils of Money Meaning, Types, Effects Banking Meaning, Classifications and Functions Meaning, Basic Concepts, Mechanism of Credit Creation by Single and Multiple Banks Definition, Evolution and Functions Importance of Central Bank Comparison between Central and Commercial Bank	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
					All chapters as prescribed by the ICSE syllabus

All portions taught**Submission date 4/1/2023****All appropriate portions taught throughout the session shall be covered****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 to how the market for this products is characterised by the product differentiation
- 5 Take a case of nationalised bank. Analyse the main functions of this bank branch.

ST.FRANCIS XAVIER SCHOOL
SOCIALLY USEFUL PRODUCTIVE WORK
SESSION 2022-2023
CLASS X

UNIT -1	HALF YEARLY
TOPIC Each one teach one	TOPIC Pen Stand

UNIT -2	REHEARSAL
TOPIC Medicinal plant.	TOPIC Laundry work

ST. FRANCIS XAVIER SCHOOL
PHYSICAL EDUCATION
CLASS – X
SYLLABUS 2022-2023

UNIT -1

HALF YEARLY

TOPICS &	BENEFITS & VALUES	TOPICS & COMMANDS	BENEFITS & VALUES
*General Warm-ups	Improving body flexibility	*Stretching exercise	
*Yoga Exercises	Stress relief, helps digestion	Flat race-100m.,200m	Improvement of stamina
*Indoor Games - Carom	Developing mental ability & Psychomotor	Fitness Training-jogging, shuttle	Developing body fitness
*March past	Development of co-ordination skills	*Outdoor Games Basketball,	Development of team spirit

UNIT -2

REHEARSAL

TOPICS &	BENEFITS & VALUES	TOPICS & COMMANDS	BENEFITS & VALUES
Stretching exercise	To increase strength and body flexibility	Fitness Training-jogging, shuttle	To increase strength, speed,
Tug of War	Improving body strength	Spoon and Marble Race	Improvement of dynamic
Balance race	Improvement of body balance		
Relay race	Improvement of stamina		
		PROJECT: Biography of any ideal player	

* The marked activities will be continued throughout the session