

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

UNIT I

HALF YEARLY

Prescribed Textbook: Total English			Prescribed Textbook: Total English		
SL NO.	TOPIC	CONTENTS	SL. NO.	TOPIC	CONTENTS
	WRITING SKILLS			WRITING SKILLS	
1	Composition		1	Composition	Narrative Picture Composition
2	Comprehension	Unseen			Descriptive Story Writing
3	Letter Writing	Personal			Argumentative
4	GRAMMAR	Subject Matter and its Organisation	2	Letter Writing	Letters of Persuasion and Explanation
		Articles			Informal
		Interchange of Sentences	3	Comprehension	Summary Writing
	Letters of Complaint	Agreement of Verb with the Subject	4	Beginning and Ending	
5	Notice and Email		5	GRAMMAR	Time and Tense I and II
6	Style				Prepositions
7	Paragraph Writing				Joining of sentences
8	Applications and Invitations				Transformation of sentences I and II
9	Aural Comprehension Oral Skills		6	Project Assignment	English oral skill
10	English Language Assessment Test				Direct and Indirect Speech
					Aural Comprehension and Oral Skills test
			7	Notice and Email	
	All appropriate portions taught shall be covered.			All appropriate portions taught from Unit I and Half Yearly shall be covered.	

UNIT II

ANNUAL

Prescribed Textbook: Total English			Prescribed Textbook: Total English		
SL NO.	TOPIC	CONTENTS	SL NO.	TOPIC	CONTENTS
	WRITING SKILLS			WRITING SKILLS	
1	Comprehension	Unseen	1	Composition	Story writing
2	Letter Writing	Letters to Newspapers and Apology letters		Critical Composition	Argumentative
3	GRAMMAR	Joining of sentences			Picture composition
		Sequence of Tenses			Story writing
		Summary Writing	2	Letter Writing	Formal
		Humourous Writing			Informal
		Synthesis of Sentences	3	Comprehension	Unseen
		Letters of Persuasion	4	GRAMMAR	Tenses
		Comparison of Adjectives			Prepositions

Word Order
Factual Writing

5 Project Assignment Joining of sentences
Transformation of sentences
6 Notice and Email English oral skill and Aural Comprehension

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

UNIT I		HALF YEARLY	
Prescribed Textbook	Treasure Trove	Prescribed Textbook	Treasure Trove
	Name of the Chapter		Name of the Chapter
	1. Daffodils		1. Bangle Sellers
	2. A Horse and Two Goats		2. Chief Seattle's Speech
			3. Television
			4. Hearts and Hands
Prescribed Textbook	The Merchant of Venice	Prescribed Textbook	The Merchant of Venice
	Act I : Scene I		Act I: Scene III
	Scene II		Act II: Scene I
			Scene II
			Scene III

Project Assignment-With close reference to 'A Horse and Two Goats' explain how the author has treated humour in the story.

Submission Date: 15.06.2022

All appropriate portions taught shall be covered.

All appropriate portions taught from Unit I and Half Yearly shall be covered.

UNIT II		ANNUAL	
Prescribed Textbook	Treasure Trove	Prescribed Textbook	Treasure Trove
	Name of the Chapter		Name of the Chapter
	1.The Cold Within		1.Heart of a Tree
	2. The Old Man at the Bridge		2. A Face in the Dark
			3. After Blenheim
			4. Angel in Disguise
Prescribed Textbook	The Merchant of Venice	Prescribed Textbook	The Merchant of Venice
	Act II : Scene IV		Act II: Scene VIII
	Scene V		Scene IX
	Scene VI		Act III : Scene I
	Scene VII		

Project Assignment- From 'The Merchant of Venice' make a comparative study between the suitors Morocco and Arragon.

Submission Date: 31.1.2023

All appropriate portions taught shall be covered.

All appropriate portions taught throughout the session shall be covered.

ST. FRANCIS XAVIER SCHOOL
HINDI (2ND LANGUAGE)
CLASS IX
SYLLABUS 2022-2023

UNIT-I			UNIT II		
Prescribed Text:	<u>साहित्य सागर</u>	Topic Details	Prescribed Text:	<u>साहित्य सागर</u>	Topic Details
CH. NO.	CHAPTERS		CH. NO.	CHAPTERS	
5	मेघ आए	सर्वेश्वर दयाल सक्सेना		विनय के पद	तुलसीदास
6	सूरदास के पद	सूरदास		भिक्षुक	निराला
	एकांकी संचय		एकांकी संचय	बहू की विदा	विनोद रस्तोगी
1	संस्कार और भावना	मानव स्वभाव का मनोवैज्ञानिक विश्लेषण		including UT 1 and half yearly	
	सरस हिंदी व्याकरण वाक्यों को निदेश अनुसार परिवर्तित कीजिए संज्ञा से विशेषण, भाववाचक संज्ञा, पर्यायवाची शब्द, विलोम शब्द, मुहावरे			व्याकरण और रचना अपाठित गद्यांश पत्र लेखन निबंध लेखन	
	पत्र लेखन, लिंग परिवर्तन, वचन परिवर्तन, शब्द समूह के लिए एक शब्द समाचार पत्रों के माध्यम से या वीर सिंह का चरित्र			वाक्य परिवर्तन परवाची शब्द विलोम शब्द	
	project			अनेक शब्दों के लिए एक शब्द, मुहावरे	

HALF YEARLY			ANNUAL		
Prescribed Text:	<u>साहित्य सागर</u>		Prescribed Text:	<u>साहित्य सागर</u>	
CH. NO.	CHAPTERS	Topic Details	CH. NO.	CHAPTERS	Topic Details
3	स्वर्ग बना सकते हैं	रामधारी सिंह दिनकर		साखी	कबीर दास रामधारी सिंह दिनकर
2	गिरिधर की कुंडलियां	गिरिधर कविराय कावे सूर्यकांत त्रिपाठी निराला		स्वर्ग बना सकते हैं	
4	भिक्षुक			गिरिधर की कुंडलियां	गिरिधर कविराय सर्वेश्वर दयाल सक्सेना
एकांकी संचय	संस्कार और भावना सरस हिंदी व्याकरण और रचना लेखन पत्र लेखन अपाठित गद्यांश		एकांकी संचय	मेघ आए संस्कार और भावना बहू की विदा मातृभूमि का मान	हरि कृष्ण प्रेमी
	संज्ञा से विशेषण, भाव वाचक संज्ञा, पर्यायवाची, विलोम मुहावरे, तत्सम, तद्भव, लिंग परिवर्तन, वचन परिवर्तन शब्द समूह के लिए एक शब्द, वाक्यों का परिवर्तन			व्याकरण और रचना do all UT 1, half yearly and UT II	
				Project Submission Date - 06.07.22	
			Project	कविता भिक्षु का चित्रण	

ST. FRANCIS XAVIER SCHOOL
BENGALI (2ND LANGUAGE)
CLASS IX
SYLLABUS 2022-2023

UNIT - I

Prescribed Text Books	Chapter / Topics	Activity
1.Sankolita (Short Stories)	1.Lalu 2.Bama	Reference to context Short questions and answers Word meaning Explanation Short notes
2. Sankolita (Poems)	1.Bangobhumir Proti 2.Sovvotar Proti	Synonyms Homonyms One word expression Proverbs
3. Grammar	Transformation of sentences Misspelt words	Punctuation marks Voice change, Narration change, Spelling mistakes Transformation of Sentences
	<u>Project Topics</u> 1. Ekti Balok Shramiker Pratyahik Jibon (Composition) 2. Bama - Bibhuti Bhushan Bandopadhyay (Prose) 3. Bango Bhumir Proti- Michel Madhusudan Dutta (Poetry) Date Of Sumission 28.07. 2022	

HALF-YEARLY EXAMINATION

Prescribed Text Books	Chapter / Topics	Activity
1.Sankolita (short stories)	1.Ginni 2.Canvaser	Homonyms One word expression Proverbs Reference to context Short questions and answers
2. Sankolita (poems)	1.Kuli mojur 2.Abar asibo fire & unit 1 syllabus (short stories & poems)	Word meaning Explanation Short notes Synonyms Punctuation marks Voice change, Narration change, Spelling mistake transformation of sentences
3. Grammar & Composition	Essay writing Letter writing Comprehension Voice change Narration change	

Misspelt words etc.

UNIT -II EXAMINATION		
Prescribed Text Books	Chapter / Topics	Activity
1.Sankolita (short stories)	1.Naam 2.Asohojogi	Reference to context Short questions and answers Word meaning Explanation Short notes
2. Sankolita (poems)	1.Sinri 2.Rabindranather proti	Synonyms Homonyms One word expression Proverbs Punctuation marks Voice change, Narration change, Spelling mistake transformation of sentences
3. Grammar	One word expression Proverbs, Punctuation Marks, Etc.	

Annual Examination		
Prescribed text books	Chapter / topics	Activity
1. Sankolita (short stories)	1.Debotar janmo 2.Nil manuser kahini	Proverbs Punctuation marks Voice change, Narration change, Spelling mistake transformation of sentences Short notes
2. Sankolita (poems)	1.Phool Futuk Na Futuk 2.Amalkanti & unit 2 syllabus (short stories & poems)	Synonyms Homonyms One word expression Reference to context Short questions and answers Word meaning Explanation
3. Grammar & composition	Essay writing Letter writing Comprehension Voice change Narration change Misspelt words Joint word Transformation of sentences etc.	

**ST FRANCIS XAVIER SCHOOL
HISTORY AND CIVICS
CLASS IX
SYLLABUS 2022-2023**

UNIT I

HALF YEARLY

Prescribed Text: Total History and Civics Morning Star			Prescribed Text: Total History and Civics Morning Star		
Reference Book	Goyal Brothers (Chapters taught from both the book)		Reference Book	Goyal Brothers (Chapters taught from both the book)	
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	The Harappan Civilisation	Greatbath , Seals , Origin , Extent , Urban plan Trade , art , Craft , script , Decline .	5	The Sangam Age	Sources , Society , Economy .
2	The Vedic Period	Comparative Study , Early and later Vedic Period , Soci	6	The Age of Guptas	Sources , Political history, Administration , Education , Science , culture .
3	Jainism and Buddhism	Causes for their rise ,Teachings , Angas, tripitakas .	7	The Cholas	Political history , Administration , Culture .
4	The Mauryan Empire	political History , Administration , Ashoka and his religious policy .	8	The Delhi Sultanate	Sources , Political History , Administration .
		<u>Civics</u>	2	Fundamental Rights	Different Rights and Significance .
1	Our Constitution	Meaning , Preamble , Date of enforcement Features , Citizenship , Adult Franchise .	3	Directive principles	Meaning , Welfare State , Different policies .
		<u>Civics</u>	4	Election	
				Project Work	Vedic Age (topics given in chapter)
				Submission date: 16.8.2022	
				Syllabus of Half Yearly 1,2,3,4,5,6,7,8,Civics 1, 2, 3, 4.	

UNIT II

ANNUAL

Prescribed Text: Total History and Civics Morning Star			Prescribed Text: Total History and Civics Morning Star		
Reference Book	Goyal Brothers (Chapters taught from both the book)		Reference Book	Goyal Brothers (Chapters taught from both the book)	
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
9	The Mughal Empire/ Sufi and Bhakti Movement	Sources , Political History , Administration , Composite Culture , Bhakti and sufi movement	12	Industrial Revolution	Definition , Comparative Study , Socialism , Capitalism .
10	Renaissance	Definition , causes , Art , Science , literature .		<u>Civics</u>	
11	Reformation	Causes , Martin luther , Counter Reformation .	6	Local Self government	Rural System of Panchayati Raj , Meaning Functions .
		<u>Civics</u>	7	Local Self Government	Urban Municipal Corporation , Committee
				Project Work	The Mughal Empire.topics given in chapter.
					Submission date: 15.2.23
5	Local Self Government	Formation and Function		Syllabus for finals ---	All chapters from Half Yearly &Annual

ST FRANCIS XAVIER SCHOOL
GEOGRAPHY
CLASS IX
SYLLABUS 2022-2023

<u>Prescribed Text:</u>		<u>Total Geography Part 1 - Morning Star</u>		<u>Prescribed Text:</u>		<u>Total Geography Part 1 - Morning Star</u>	
<u>Reference Book :</u>		<u>Frank</u>		<u>Reference Book:</u>		<u>1 Frank</u>	
UNIT I				HALF YEARLY			
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter
	Earth as a Planet	Shape and Size of the Earth	6	Rocks & Rock Cycle	Types & Characteristics		
	Earth's Grid	Latitudes & Longitudes			Rock Cycles		
1		Longitude & Time			Importance		
2	Rotation & Revolution	Motions of the Earth	7	Volcanoes	Types		
		Their Effects			Causes & Effects		
3	Earth's Structure	Interior of the Earth			Distribution		
	(Reference Book as well)	Forces originating within the Earth	8	Earthquakes	Causes & Effects		
4	Landforms of the Earth	Mountains			Distribution		
		Plains & Plateaus	9	Weathering	Meaning & Different Types of weathering		
5	Pollution	Types & Sources					
	Sources & Effects of Pollution	Air, Water, Noise and Soil Pollution	10	Denudation	Work of River		
16	Preventive Measures	Abatement of different types of pollution			Work of Wind		
17 & 18	Assignment - 1	Conventional Symbols					
19	(Reference Book as well)						
	PROJECT	Pollution – Air / Water		Map Work	World Map		
	Submission Date: By 12.08.22	OR		Assignment- 2	Scale		
		Tundra Region		(Reference book as well)	12.08.22		
				Submission date: By 20.08.21	Ch 1 to 10 & Map work		
				Syllabus for Half Yearly	Assignment - 1,2 & Project		
UNIT II				ANNUAL			
<u>Prescribed Text:</u>		<u>Total Geography Part 1 - Morning Star</u>		<u>Prescribed Text:</u>		<u>Total Geography Part 1 - Morning Star</u>	
<u>Reference Book :</u>		<u>Frank</u>		<u>Reference Book:</u>		<u>1 Frank</u>	
	Hydrosphere	Ocean Currents & its effects	14	Atmospheric Pressure and Winds	Distribution of Pressure & Wind Belts		
	Tides & Currents	Tides & its effects	15	Humidity	Process of Condensation & Precipitation		
11	Atmosphere	Composition			Types & Causes of Rainfall		
		Structure			Forms of Precipitation		

12 Insolation
(Reference Book as well)

13 Assignment - 3
(Reference Book as well)

Heating of the Atmosphere
Factors affecting distribution of temperature
Heat Budget
Direction

20 Natural Regions

Map Work
Assignment 3
(Reference book as well)
Project
Submission date: By 26.11.21
Syllabus for Annual

Equatorial
Tropical Monsoon
Desert
Tundra
World Map
Direction
Assignment - 1,2,3 & Project work
26.11.22
Entire Syllabus & Mapwork
Assignment 1,2 , 3 & Project

ST FRANCIS XAVIER SCHOOL
PHYSICS
CLASS IX
SYLLABUS 2022-2023

UNIT I

HALF YEARLY

Prescribed Text : Concise physics			Reference Book : Goyal Brothers Prakashan		
Chapter No.	Name of the Chapter	Topic	Chapter No.	Name of the Chapter	Topic
2	Motion in one Dimension	Rest, motion, speed, velocity, acceleration Graphical representation of linear Motion, numerical	4	Pressure in Fluids and Atmospheric Pressure	Thrust and Pressure and their units Pascal's Law and transmission of pressure in liquids Principle of Floatation, Application, Relative density and measurement, numerical
3	Laws of Motion	Newton's Laws of Motion and its application Gravity and Free fall	5	Up thrust in Fluids Archimedes' Principle	Upthrust and Archimedes' Principle Properties of upthrust Verification of Archimedes Principle
1 and	Measurement and Experimentation	Need of unit for measurement and its kind, derived units Least count of instruments screw gauge and vernier caliper Numerical, Pendulum experiments Beam balance	6	Heat and Energy	Concept of heat and temperature Anomalous Expansion of Water Thermal expansion Energy flow and its importance Energy Resources. Renewable and non renewable sources, energy degradation Green House Effect and Global warming
UNIT 1	3 chapters			PRACTICAL HALF YEARLY:	As per ICSE Syllabus 6 Chapters

UNIT II

ANNUAL

Prescribed Text : Concise physics			Reference Book : Goyal Brothers Prakashan		
Chapter No.	Name of the Chapter	Topic	Chapter No.	Name of the Chapter	Topic
7	Reflection of Light	Reflection of light Images formed in pair of mirror Uses of plane mirror Spherical Mirror Ray diagram of convex and concave mirror, Uses of Mirrors	9	Current Electricity	Types of Cell Symbols for circuit diagram Insulators and Conductors Flow of electrons between conductors Resistance Efficient use of energy
8	Propagation of Sound wave	Nature of sound waves Requirement of a medium for sound wave to travel Propagation and speed in different media Comparison with speed of light	10	Magnetism	Induced magnetism Magnetic field of earth Neutral points Introduction for electromagnet and uses
UNIT TEST – II: ch 7 & ch 8			PRACTICAL Annual Exam		
			As per ICSE Syllabus 1-10 Chapters		

ST. FRANCIS XAVIER SCHOOL
CHEMISTRY
CLASS IX
SYLLABUS 2022-23

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
2	Chemical changes and reactions. The language of chemistry	Characteristics of chemical reaction. Types of chemical reactions	7	Study of gas laws	Behavior of gases Gas laws, numericals
1		Symbol Valency Radicals Chemical equation Relative Atomic Mass Percentage Composition Empirical formula of a compound	3	Water	Physical properties of water Water as universal solvent Solubility and Concentration of solution
				Half yearly chapters 1,2,3,7. Project based on practical work and submission of lab manual. SUBMISSION:-	Aug-22

UNIT II

ANNUAL

CONCISE CHEMISTRY BY SELINA			CONCISE CHEMISTRY BY SELINA		
Chapter No	Name of the Chapter	Topic	Chapter No.	Name of the Chapter	Topic
8	Atmospheric pollution	Types of pollution Ways of reducing pollution Ozone, Green house effect Consequences of pollution	4	Atomic structure	Structure of an atom Mass number Atomic number Isotopes Octet rule

9	Practical chemistry Observation and reactions	5	The periodic table	Duplet rule, electron dot diagrams.
				Doberneir's triads Newlands's law of octaves Mendelev's contribution Modern periodic table
		6	Hydrogen	Physical and Chemical properties Preparation
			Final chapters 1,2,3,4,5,6 ,7,8& 9	
			Project based on practical work and submission of lab manual.	
			SUBMISSION:- JANUARY: 2023	

ST. FRANCIS XAVIER SCHOOL
BIOLOGY
CLASS IX
SYLLABUS 2022-2023

UNIT I

Prescribed Text: Concise Biology-9-Selina

HALF YEARLY

Prescribed Text: Concise Biology-9 Selina

Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	Introducing Biology	Growth of Biology biology	4	The Flower	Description of floral parts functions of various parts Inflorescence
2	The Cell -A unit of life	Cell Structure, Cell theory Cell organelle Prokaryotic and Eukaryotic cell	5	Pollination and	Self and Cross Pollination Contrivances for self and cross pollination Structure of pollen grains and ovules
3	Tissues	Plant Tissue – Simple and Complex Tissue Animal Tissues	6	Seeds-structure	Different events of fertilisation Classification of seeds, germination process
	Unit Test -Chapter1,2,3		7	Respiration in Plants	Types of respiration Mechanism of respiration
			14	The Respiratory System	Need for respiration Two kinds of respiration Parts of Respiration Respiratory organs Respiratory cycle Capacities of the lungs Inspired air vs. expired air
			8	Five kingdom classification	Plant kingdom classification Invertebrates invertebrates
				H.Y Chapters Practical-As per ICSE syllabus related to the chapters	1,2, 3, 4,5 ,6,7.,8,14

UNIT II

ANNUAL

Concise Biology-9 Selina		Prescribed Text:		Concise Biology-9-Selina	
Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic	
9 Bacteria and Fungi	Economic Importance of Role of bacteria in agriculture Spoilage of food by bacteria Preservation of food Fungi – useful and harmful fungi Fungi- Role in Industry	16	Disease	Categories of diseases, Diseases caused by bacteria, fungi, and protozoa	
12 Movement and Locomotion	Functions of Human skeleton Bone Joints and Muscles	11	The Digestive System	Diferent types of tooth Structure and function of tooth Anatomy of the digestive system Different process for digestion	
10 Nutrition in humans	purpose of movement Different modes of nutrition Essential components and	13	Skin	Different parts and function of skin Derivatives of the skin Thermal regulation of the body Disease caused by bacteria, protozoa and viral diseases	
UNIT II -Chapter -	9,10,12.		15,16	Hygiene and diseases	
			17	Aids to health Active and passive immunity Vaccination and immunisation Antibiotics,disinfectant, antiseptic	
			18	Health Organisation Common Health Problems Major activities of WHO Major activities of Red cross	
		19	Waste Generation and Waste prevention and Management		
		Annual-chapter 1 to 19		Practical-As per ICSE syllabus related to the chapters	
		Practical-As per ICSE syllabus related to the chapters			

ST. FRANCIS XAVIER SCHOOL
ECONOMIC APPLICATIONS
CLASS IX
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.	Chapter Name	Topic
1	Meaning and Defination of Economics	Definition of Economics Importance of the study of Economics. Human Wants,Goods, Consumption	4	Types of an Economies	Introduction of an Economy Basis of Nature Closed and Open Economy Free and Controlled Economy Agricultural and Industrial Economics Bais of Ownership of means of production
2	Basic Concepts of Economics	Production Inputs and Basic economic entities and its Introduction	5	Solution to the Basic Economic Problems	Introduction of Indian Economy Salient Features of Indian Economy
3	Basic Problems of an Economy	Economic Problem of Economy Basic or Central Problem of an Economy Economic Development and Economic Planning Strategy of Economic Importance of the study of	6	Nature and Features	Nature of Indian Economy Underdeveloped, mixed , developing
			7	India : A Developing	Sign of Indian Economy
			8	Sectors of the Indian	Meaning of Agriculture,Importance of Causes of Low Productivity of Agriculture Problems of Indian Agriculture, and it's National Agricultural Policy 2000,2007. Rashtriya Krishi Bikas Yojana Sectors according to activity Interrelationship of Primary Secondary and Tertiary Sectors. Sectors according to ownership, Difference between Public sector and Introduction and Importance of the Importance of Service Sector in National Employenand Regional Balance.
			9	Impact of Agricultral	Definition, Characteristics, Types and Structure or Components of an Ecosystem Major Ecosystems- Introduction Contribution of Ecosystem Desertification. Introduction, Measure to control Ecosystem, Ecosystem, Agriculture

Syllabus for Unit I Examination : Chapter 1 to 3

Meaning of Industrialisation, Role of
Project Submission: 28 / 08 / 2022
Syllabus for Half - Yearly Exami 8 Chapters

UNIT II			ANNUAL		
ICSE Economic Applications - Goyal Brothers Prakashan			ICSE Economic Applications - Goyal Brothers Prakashan		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
10	Infrastructure of the Indian Economy	Meaning,types,Importance of Infrastruct And it's merits and demerits. Transport Sector,Strategies in 11th Plan. Railway, Road, Water transport. Classification of Financial Institutions Reserve Bank of India and it's Functions	12	Globalisation	Meaning and Definition, Features,Causes,Procedure,Measures adopted Effects of Globalisation on Indian Economy Suggestions to promote Globalisation Forms,Characteristics,Reasons,Significan Case against MNC
11	Consumer Awareness	Meaning, Rights and Responsibilities of a Consumer Consumer Awareness-it's needs and process. Food Adulteration and it's harmful effects Consumer Exploitation Government ways and means for Consumer Protection			Technology Inflow, Mode of Technology MNC as instrument in transfer of Technology Problems of Technology in UDCs Measure to accelerate transfer of Technology Introduction, Objectives, Organs, and disadvantages of WTO to India and WTO, Specific Functions of WTO

Syllabus for UNIT II Examination :
Chapter 10 to 11 with Project Work.

Projects: (any four)

- 1 Make a Report on the Central Problems faced by an economy.Explain these problems with reference to the Indian economy.
- 2 Outline the main modes of transport in a district/city you live . What problem do you all other citizen faced in public transport
- 3 Prepare and enlist the different rights and also state to what extent Consumer Protection Act help them to provide help to get benefit for their
- 4 Identity 10 customers of major brands of edible oils in a locality/ area where you live.Make a presentation of the findings in class with thev
- 5 Take a developed country such as U.S.A and a developing country such as India. Analyse the main characteristics of this Economies.

Syllabus for ANNUAL Examination : Chapter 1 to 12 with Project Work.
Project Submission: **03 / 01 / 2023**

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

UNIT I

HALF YEARLY

TOUCH PAD -COMPUTER APPLICATIONS-Orange EducationPvt 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, compilation of java			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 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 on or before 02/08/2022 (1st part)**

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

UNIT II**REHEARSAL****TOUCH PAD -COMPUTER APPLICATIONS-Orange EducationPvt 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 Methods in wrapper class Numeric wrapper class methods Utility of wrapper class methods Auto Boxing and Un Boxing in Wrapper Classes
8	Iterative Constructs in Java	For loop While loop Do while loop Nested loops Comparison of loops & jump statement	Syllabus for Annual Ch 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16 & practical programs .		
9	Nested for loop	Nested loop with break and continue			

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
MATHEMATICS
CLASS IX
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	Compound Interest	Application of Formula Growth & Depreciation	11	Mid- point Theorem	Mid- point Theorem Intercept Theorem
3	Expansions	Special products Application of Special products	8	Indices	Laws of Indices
1	Rational and Irrational Numbers	Rational & Irrational Numbers Non repeating, non terminating decimals	12	Pythagoras Theorem	Pythagoras Theorem & Converse of Pythagoras Theorem Application in word problem
10	Triangles	Surds and rationalization of surds Relation Between angles Congruency of triangle Isosceles triangle Inequalities	20	Statistics	Mean and Median of Ungrouped Data Frequency Distribution Cumulative Frequency Graphical Representation of Statistical Data
4	Factorization	Factorization by taking common factor Factorization by grouping Factorization of trinomial	17	Trigonometrical Ratios	Trigonometrical ratios of the triangles
5	Simultaneous Linear Equation	Substitution Method Elimination Method Cross multiplication Method Equation reducible to pair of Linear Equations	18	Trigonometrical Ratios of Standard Angles	Trigonometrical Tables of Standard Angles Complementary angle
	UNIT TEST – I :	6 chapters	15	Circle	Chord Property, Arc Property
			9	Logarithms	Logarithm, Laws of Logarithms
			HALF YEARLY : 14 Chapters		
			Project – 1 : Study ways of raising loan to buy a Car or House (10.06.2022)		

UNIT II

ANNUAL

Prescribed Text: Understanding ICSE Mathematics			Reference Text: Secondary School Mathematics		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
14	Theorem on Area	Fundamental Concepts Area Axioms	16	Mensuration	Perimeter and Area of triangle Perimeter and Area of Quadrilateral Circumference and area Surface area and Volume of Cuboid and Cubes
6	Problems on Simultaneous Linear Equations	Word Problems	19	Co-ordinate Geometry	Co-ordinate Axes Graph of Linear Equations Graphical Solution of pair of Linear Equations Distance Formula
13	Rectilinear Figures	Types of Quadrilateral and their Properties Construction of Quadrilateral			Project – 2 : Statistical Analysis of Height, Weight, Number of Family Members and Pocket Money of Class – IX students (11.11.2022)
	UNIT TEST – II:	4 chapters + Indices + Logarithm			

ST. FRANCIS XAVIER SCHOOL
PHYSICAL EDUCATION
SYLLABUS 2022-2023

UNIT -1		HALF YEARLY	
TOPICS & COMMANDS	BENEFITS & VALUES	TOPICS & COMMANDS	BENEFITS & VALUES
*General Warm-ups	Improving body flexibility	*Stretching exercise	Body Flexibility
*Yoga Exercises	Stress relief, helps digestion	Flat race-100m.,200m	Improvement of stamina
*Indoor Games - Carom board, Table Tennis, Chess, Ludo	Developing mental ability & Psychomotor skills	Fitness Training-jogging, shuttle run	Developing body fitness
*March past	Development of co-ordination skills	*Outdoor Games Basketball, football	Development of team spirit

UNIT -2		REHEARSAL	
TOPICS & COMMANDS	BENEFITS & VALUES	TOPICS & COMMANDS	BENEFITS & VALUES
Stretching exercise	To increase strength and body flexibility	Fitness Training-jogging, shuttle	To increase strength, speed, endurance
Tug of War	Improving body strength	Spoon and Marble Race	Improvement of dynamic balance
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

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

UNIT -1

TOPIC

Glass Painting

HALF YEARLY

TOPIC

Pen Stand

UNIT -2

TOPIC

Clay modelling

ANNUAL

TOPIC

Bamboo Craft