

**ST. FRANCIS XAVIER SCHOOL****SYLLABUS FOR CLASS - X****ACADEMIC SESSION 2026 - 27****SUBJECT - ENGLISH LANGUAGE****PRESCRIBED TEXT BOOK : PEARLS OF ENGLISH LANGUAGE**

HALF YEARLY		ANNUAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
1	The Narrative Composition	1	The Narrative Composition
2	The Descriptive Composition	2	The Descriptive Composition
3	The Reflective Composition	3	The Reflective Composition
4	The Argumentative Composition	4	The Argumentative Composition
5	The Story Writing	5	The Story Writing
6	Letters-- Formal and Informal	6	Letters-- Formal and Informal
7	Writing	7	Notice Writing and E-mail Writing
8	Comprehension	8	Comprehension
9	Transformation of Sentences-I	9	Transformation of Sentences-I
10	Transformation of Sentences-II	10	Transformation of Sentences-II
11	Sequence of Tenses	11	Sequence of Tenses
12	Direct and Indirect Narration	12	Direct and Indirect Narration
13	Active and Passive Voice	13	Active and Passive Voice
14	Subject	14	Agreement of the Verb with the Subject
15	Tenses	15	Tenses
16		16	Prepositions
17	Synthesis of Sentences	17	Synthesis of Sentences
18	Vocabulary in Context	18	Vocabulary in Context
19	Test Papers: 1 to 13	19	Test Papers: 14 to 25
20	Aural and Oral English	20	Aural and Oral English
21	Activity	21	Activity

PROJECT TOPICS:	Essay Test; Oral and Aural Assessment; ELSA	PROJECT TOPICS:	Essay Test; Oral and Aural Assessment; ELSA
FLN	<b>Write a letter to a bank manager requesting him or her to conduct a training session in your school regarding online fraud and how the common people should be made aware of the same.</b>		
<b>SYLLABUS FOR UNIT TEST</b>			
Will be notified by the subject teacher at the appropriate time			

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS - X**  
**ACADEMIC SESSION 2026 - 27**  
**SUBJECT - LITERATURE IN ENGLISH**  
**PRESCRIBED TEXT BOOKS : TREASURE CHEST AND JULIUS CAESAR**

HALF YEARLY		ANNUAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
TREASURE CHEST	1. With the Photographer	TREASURE CHEST	1. The Pedestrian
	2. The Elevator		2. The Last Lesson
	3. The Girl Who Can		3. A Considerable Speck
	4. Haunted Houses		4. The Power of Music
	5. The Glove and the Lions	JULIUS CAESAR	Act V
	6. When Great Trees fall		
JULIUS CAESAR	Act III and Act IV		
PROJECT TOPIC:	Closely referring to Maya Angelou's 'When Great Trees Fall' , throw light on : The Impact of Loss: An Analysis of Grief and Healing dealt with in the poem.		
PROJECT TOPIC :	Referring closely to Act V of 'Julius Caesar' discuss 'The Role of Miscommunication and Misjudgment'		
Submission date :on or before 16.08.2026		Submission date :on or before 24.01.2027	
		Entire syllabus for class X to be included	
FLN	Closely referring to 'The Last Lesson', highlight the loss that one suffers from when one does not invest in education.		
<b>SYLLABUS FOR UNIT TEST</b>			
Will be notified by the subject teacher at the appropriate time			

**ST. FRANCIS XAVIER SCHOOL****SYLLABUS FOR CLASS --X****ACADEMIC SESSION 2026-27****SUBJECT : HINDI****PRESCRIBED TEXT BOOK : साहित्य सागर, आदर्श हिंदी व्याकरण**

HALF YEARLY		REHEARSAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
सीक्षित कहानियाँ		सीक्षित कहानियाँ	
7	संदेह - जयशंकर प्रसाद	8	भीड़ में खोया आदमी
9	भेड़ें और भेड़िये - हरिशंकर	10	दो कलाकार- मन्नू भंडारी
पद्य		पद्य	
7	विनय के पद -तुलसीदास	9	चलना हमारा काम है -
8	भिक्षुक -सूर्यकांत त्रिपाठी	10	मातृ मंदिर की ओर- सुभद्रा
			Whole syllabus of class IX and X
व्याकरण		व्याकरण	
	अशुद्ध वाक्य को शुद्ध करना		अशुद्ध वाक्य को शुद्ध करना
	मुहावरों का वाक्य में प्रयोग		मुहावरों का वाक्य में प्रयोग
	पर्यायवाची शब्द, विलोम शब्द		पर्यायवाची शब्द, विलोम शब्द
	अनेक शब्दों के लिए एक शब्द		अनेक शब्दों के लिए एक शब्द
	भाववाचक संज्ञा बनाना		भाववाचक संज्ञा बनाना
	निबंध लेखन		निबंध लेखन
	अपठित गद्यांश		अपठित गद्यांश
	पत्र लेखन		पत्र लेखन
PROJECT TOPICS भेड़ें और भेड़िये पाठ के लेखक का परिचय देते हुए शीर्षक की सार्थकता स्पष्ट करते हुए आज के समय में इसकी प्रासंगिकता स्पष्ट करें।		PROJECT TOPICS : निरंतर अभ्यास का क्या महत्व होता है - "चलना हमारा काम है" पाठ के आधार पर स्पष्ट करते हुए एक प्रेरणादाई कहानी लिखें ।	
Project submission date on or before 31.07.2026		Project submission date on or before : 30.11.26	
SYLLABUS FOR UNIT TEST			
Will be notified by the subject teacher at the appropriate time			

ST. FRANCIS XAVIER SCHOOL			
SYLLABUS FOR CLASS - X			
ACADEMIC SESSION 2026 - 27			
SUBJECT - BENGALI			
PRESCRIBED TEXT BOOK : SONKOLITA & BANGLA BHASA ANWESHAN			
HALF YEARLY		ANNUAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
PROSE		PROSE	
7	দেবতার জন্ম	10	লোকটি
8	নীল মানুষের কাহিনি		As per ICSE Syllabus
9	গন্ধটা খুব সন্দেহজনক		
POEM		POEM	
7	ফুল ফুটুক না ফুটুক	10	খো খো
8	অমলকান্তি		As per ICSE Syllabus
9	বাবু বলেন		
GRAMMAR		GRAMMAR	
	রচনা, চিঠি, বোধপরীক্ষণ		রচনা, চিঠি, বোধপরীক্ষণ
	বাক্য, বাচ্য, উক্তি পরিবর্তন, এক কথায় প্রকাশ, বাগধারা		বাক্য, বাচ্য, উক্তি পরিবর্তন, এক কথায় প্রকাশ, বাগধারা
	সাধু-চলিত, বানান শুদ্ধ, সমোচ্চারিত শব্দ, ছেদ - যতি		সাধু-চলিত, বানান শুদ্ধ, ধ্বন্যাঙ্ক অব্যয় সমোচ্চারিত শব্দ, ছেদ - যতি
	একই শব্দের ভিন্ন অর্থে প্রয়োগ, উপসর্গ, প্রত্যয়		একই শব্দের ভিন্ন অর্থে প্রয়োগ, উপসর্গ, প্রত্যয়
PROJECT TOPICS :	আন্তর্জাল আজকের যুগের ছাত্র ছাত্রীদের কী কী সুবিধা দিচ্ছে তা নিয়ে তোমার মতোমতো পত্রিক আকারে লেখো।	PROJECT TOPICS :	নীল মানুষের কাহিনি, গন্ধটা খুব সন্দেহজনক ও লোকটি গল্পে যে মিল পাওয়া যায় তা আলোচনা কর।
Project submission date: 30.06.26		Project submission date: 31.10.26	

**SYLLABUS FOR UNIT TEST**

Will be notified by the subject teacher at the appropriate time



**ST. FRANCIS XAVIER SCHOOL**

**SYLLABUS FOR CLASS - X**

**ACADEMIC SESSION 2026 - 27**

**SUBJECT -HISTORY AND CIVICS H.C.G1**

**PRESCRIBED TEXT BOOK : ICSE INDIAN HISTORY WORLD DEVELOPMENT AND CIVICS**

HALF YEARLY		ANNUAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
CIVICS 1. The Union Legislature	The Federal set up,Lok Sabha,Rajya Sabha,formation,function.	CIVICS 5.The High Court	Formation,powers,iIndependence of judiciary .
2. The Union Executive	President,Vice President,Election,all powers.	6.The Subordinate Court	Formation,powers,iIndependence of judiciary .
3.The Union Executive	Prime Minister,Council of Ministers Election,functions.	HISTORY9Netaji and INA,.Partition and Independence	Formation of Forward Bloc,INA,Objectives andAchievements,Cabinet Mission Plan,Mountbatten Plan,Indian Independence Act.
4. The Union judiciary	Supreme Court Formation,powers.	10,11 First and Second World War	Causes and Effects.
HISTORY1.The Revolt of 1857	Causes and Effects.	12,13 Non Aligned Movement, Rise Of Dictatorship	Architect of NAM,Objectives,Role of Nehru .Rise of Hitler and Mussolini,Domestic and Foreign policies
2.The Rise Of Nationalism	Causes,Religious Reforms,Formation of Congress,,Objective.		
3. The Early Nationalisys	Demands,Objectives,Method,Contribution of Leaders.		
4.Partion of Bengal,the idea of Assertives	Programme,,Method,Objectives ,Contribution Leaders.		

5.The Muslim League	Causes,Formation,Objectives		
6. The National Movement	Lucknow Pact,Home Rule Movement.		
7. Mahatma Gandhi	All programmes and Impact,All Movements.		
8. The National Movement	Cripps Mission,,,Quit India Movement.		
The United Nations	Organs And Agencies, Formation and Functions.		
PROJECT TOPICS :	The United Nations: Organs and Agencies, formation ,function		
Submission Date 16.8.26			

**SYLLABUS FOR UNIT TEST**

Will be notified by the subject teacher at the appropriate time

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS - X**  
**ACADEMIC SESSION 2026 - 27**  
**SUBJECT - GEOGRAPHY**  
**PRESCRIBED TEXT BOOK : TOTAL GEOGRAPHY VOLUME I**

HALF YEARLY		ANNUAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
1,2 &3. Interpretation of Topographical Maps.	Locating features with the help of a four or six figure Grid reference . Definition of Contours , Contour Interval . Identification of landforms marked by Contours ( steep slope , gentle slope , hill, ridge , escarpment), spot height , triangulated height , relative height / depth .	13. Agriculture I Types of Farming	Importance, Problems and Benefits and Green Revolution. Subsistence, Commercial, Intensive Agriculture ,Extensive Agriculture., Mixed Farming, Plantation Farming.
4. G43S7	Interpretation of colour tints and conventional symbols. Measuring of direct distance and calculating area ( full grid square )	14. Agriculture II Agricultural Seasons	Rice, Wheat, Millet, Pulses. Kharif,Rabi, Zayad.
G43S10	Marking directions using eight cardinal points and calculating area .Identify : site of prominent villages/ towns / types of land use / land cover and means of transport ( metalled, unmetalled , cart track, pack track, footpath)and communication with the help of index given at the bottom of the sheet .Drainage( direction of flow and pattern -dendritic, radial,trellised) and Settlement patterns ( clustered , dispersed)Man made and Natural features.	15&16 Agriculture III & IV Cash Crops	Sugarcane, Oilseeds, (ground nut, mustard, soyabean) Cotton, Jute, Tea, Coffee. Climatic conditions,soil requirements, methods of cultivation and major producing states.
5. Map of India Mountains, Peaks , Plateaus	Himalayas , Karakoram, Aravali, Vindhyas, Satpura, Western and Eastern Ghats, Nilgiris , KhasiMt Godwin Austin (K2), Mt Kanchenjunga, Deccan Plateau , ChotaNagpur Plateau	17. Manufacturing Industries Agrobased Industry	Importance and classification.( Large scale, small scale, mineral based, agro based, public and private sector ). Sugar, Cotton, Silk Textile.

Plains	Gangetic Plains, Coastal Plains- ( Konkan, Malabar, Coromandel,N Circars)	18. Mineral based Industries.	Integrated Iron and Steel:(Tata steel,Rourkela, Vishakhapatnam).Petrochemical and Electronics (some key centres)relevent in modern world.
Desert:	Thar ( Great Indian Desert )	19. Transport Importance and Modes	Roadways- Factors affecting its development , advantages and disadvantages. . Expressways,, National Highways, NSEW corridor and Golden Quadrilateral. Railways- Factors affecting its development ,advantages and disadvantages. Waterways - Inland and coastal, Airways- Advantages and Disadvantages. <b>FLN: Cost benefit analysis, economic impact of transport , Budgeting and affordability, investment in infrastructure.</b>
Rivers :	Indus, Ravi , Bes , Sutlej , Chenab , Jhelum, Ganga , Yamuna , Ghaghra , Gomti , Gandak, Kosi , Chambal , Betwa, Brahmaputra, Narmada , Tapi, Mahanadi , Godavari, Krishna , Cauveri.	20. Waste Management	Impact of waste accumulation. Spoilage of landscape, Pollution, Health hazards. Need of waste management . Understanding key terms - global warming, acid rain, eutrophication, biomagnification and thermal pollution. Methods of safe disposal- segregation, dumping and composting.
Water bodies :	Gulf of Kutch , Gulf of Khambhat, Gulf of Mannar, Palk Strait, Andaman Sea, Lake Wular.	21. Waste Management	Methods of safe disposal of waste. Needs and methods of Reducing, Reusing and Recycling Waste.
Passes:	Karakoram, Nathu La	Map of India	Entire syllabus

Latitude : Longitude :	Tropic of Cancer Standard Meridian (82 1/2°E)		Entire Syllabus is Included in Rehearsal Examination.
Direction of Winds:	SW Monsoons ( Arabian sea branch & Bay of Bengal branch)NE Monsoons , Western Disturbances.		
Distribution of Minerals : Soil Distribution : Cities :	Oil : Mumbai High, Digboi . Iron : Singbhum, Coal : Jharia, Alluvial, Laterite , Black , Red soil . Delhi, Mumbai , Kolkata , Chennai , Hyderabad , Bengaluru , Kochi , Allahabad. Distribution: Dense and		
	Distribution of temperature , rainfall, winds in summer,and wintert. Factors affecting the climate of India, Monsoons and its mechanism. Seasons : Summer , monsoons , winter . Temperature and pressure conditions , wind movements , local winds , precipitation and interpretation of climate data . <b>FLN: Financial planning for climate risks, Insurance (crop, property),income variability.</b>		
6. Climate :	Types of soil. ( Alluvial, Black, Red, Laterite). Mode of Formation, distribution, composition,and characteristics (colour, texture,minerals, crops associated. Soil Erosion-Meaning, agents , causes.Soil Conservation- Importance and methods.		
8. Natural Vegetation:	Importance of Forests, types of vegetation, Distribution and Correlation with Environment(tropical evergreen, tropical deciduous, tropical desert, littoral,mountain.		

9. Water Resources	Sources: Surface and ground water. Need for conservation.Rain water harvesting and its importance. Irrigation: Importance and methods (canal, well, tubewell , tank, drip and sprinkler irrigation.		
10. Mineral and	Iron Ore, Manganese, Copper,Bauxite(two leading states and their prominent mining areas.)		
11.Energy Resources Conventional Sources : Hydel Power :	Conventional sources : coal, petroleum,natural gas . Uses and Distribution, advantages and disadvantages. Bhakra Nangal dam and Hirakud projects :benefits.		
12. Non Conventional Sources :	Solar, Wind, Tidal, Geo thermal, Nuclear, Biogas. Important areas, advantages and disadvantages.		
PROJECT TOPICS :	Tourist Spot In India OR Transport In India.		
Submission date:	18.8.26		
<b>SYLLABUS FOR UNIT TEST</b>			
Will be notified by the subject teacher at the appropriate time			

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS - X**  
**ACADEMIC SESSION 2026 - 27**  
**SUBJECT - PHYSICS**

**PRESCRIBED TEXT BOOK : CONCISE PHYSICS CLASS X (SELINA PUBLICATION)**

HALF YEARLY		ANNUAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
1. Force	Moment of force, Equilibrium, Uniform Circular Motion, Centripetal and Centrifugal force	8. Current Electricity	E.M.F, Potential Difference & Resistance
2. Work, Power and Energy	Work, Power and Energy , Conservation of Energy	9. Household Circuit	Power Supply, Electric Household Appliances
3. Machines	Lever, Pulleys.	10. Electro Magnetism	D.C Motor, A.C Generator & Transformer
4. Refraction of light at plane surface	Parallel Block, Prism Relation	11. Calorimetry	Specific Heat Capacity, Latent Heat, Principle of Calorimetry
5. Refraction of light through lenses	Concave and convex lens	12. Radioactivity	Nature and properties of alpha, beta and gamma radiation. Nuclear fission and fusion.
6. Spectrum	Spectrum Analysis		
7. Sound	Vibration, Resonance		
Practical :	Experiment No 1 to 7	Practical :	Experiment No 8 to 12
Date of submission	30.06.2026	Date of submission	11.12.2026
<b>SYLLABUS FOR UNIT TEST</b>			
Will be notified by the subject teacher at the appropriate time			

<b>ST. FRANCIS XAVIER SCHOOL</b>			
<b>SYLLABUS FOR CLASS - X</b>			
<b>ACADEMIC SESSION 2026 - 27</b>			
<b>SUBJECT - PHYSICAL EDUCATION</b>			
<b>HALF YEARLY</b>		<b>ANNUAL</b>	
<b>Topics &amp; Commands</b>	<b>Benefits &amp; Values</b>	<b>Topics &amp; Commands</b>	<b>Benefits &amp; Values</b>
Drill practice	Leadership and coordination	March past drills	Practice for sports and coordination
Fitness circuit training	Overall fitness	Calisthenics exercises	Maintain strength and flexibility
Athletics practice	Speed and stamina	Free hand exercise	Body flexibility
Yoga and meditation	Mental stability	Recreational games	Physical and mental development
Team games	Strategy and teamwork	Fitness Tests (CISCE Portal)	Health and Physical Fitness Assessment
		Test Parameters : 50m Dash, 600m Run+Walk	
		Push Ups, Partial Curl Ups, Sit and Stretch	
		And BMI Evaluation.	



**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS - X**  
**ACADEMIC SESSION 2026 - 27**  
**SUBJECT - SUPW**

HALF YEARLY		REHEARSAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
1. Drawing	Creative drawing and painting	1. Drawing	Glass painting
2. Paper work	Greetings card making	2. Paper work	Collage making
3.Craft	Pen stand		
*The marked activities will be continued throughout the msession			
Project submission date: (On or before) 30.09.26			

**ST. FRANCIS XAVIER SCHOOL****SYLLABUS FOR CLASS - X****ACADEMIC SESSION 2026 - 27****SUBJECT - CHEMISTRY****PRESCRIBED TEXT BOOK : SRI BALAJI ICSE CHEMISTRY**

HALF YEARLY		REHEARSAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
1: Periodic Properties and Variations of Properties	Periodic properties and their variations in groups and periods. Periodicity on the basis of atomic number for elements.	4 : Analytical Chemistry	Action of Ammonium Hydroxide on Solution of salt
2 : Chemical Bonding	Electrovalent, covalent and co-ordinate bonding, structures of various compounds, Electron dot structure. Electrovalent Bonding, Covalent Bonding, Coordinate Bonding.	6 : Electrolysis	Electrolytes and non - electrolytes Substances containing molecules only, ions only, both molecules and ions.
3 : Study of Acids, Bases and Salts	Simple definitions in terms of the molecules and their characteristic properties. Ions present in mineral acids, alkalis and salts and their solutions; use of litmus and pH paper to test for acidity and alkalinity. Definition of salt; types of salts. Action of dilute acids on salts. Methods of preparation of Normal salts with relevant equations. (Details of apparatus or procedures not required).	7 : Metallurgy	occurrence of metals in nature Stages involved in the extraction of metals

5 : Mole Concept and Stoichiometry	Gay Lussac's Law of Combining Volumes; Avogadro's Law. Vapour Density and its relation to relative molecular mass. Mole and its relation to mass. Simple calculations based on chemical equations.	9 : Organic Chemistry	Introduction to Organic Chemistry Structure and Isomerism Simple nomenclature Hydrocarbons : alkanes, alkenes, alkynes
8 : Study of Compounds	HCl & NH <sub>3</sub>		
PRACTICAL NOTE BOOK :	Experiment 1 To Experiment 3	PRACTICAL NOTE BOOK :	Experiment 4 To Experiment 6
<b>SYLLABUS FOR UNIT TEST</b>			
Will be notified by the subject teacher at the appropriate time			

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS - X**  
**ACADEMIC SESSION 2026 - 27**  
**SUBJECT - BIOLOGY.**  
**PRESCRIBED TEXT BOOK : CONCISE BIOLOGY.**

HALF YEARLY		ANNUAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
1.Cell -the unit of life.	Cell organelle, structure and functions.[a brief recapulation]	3.Genetics	Terminology, Mendel's laws, monohybrid and dihybrid cross,sex determination, sex linked inheritance.
2.Structure of Chromosomes, Cell cycle, and cell division.	Terminology,structure of chromosomes,cell cycle, mitotic and meiotic cell division,differences and significance	7. Chemical coordination in plants.	A general study of plant growth hormones,tropic movements in plants.
4.Absorption by roots	Terminology,characteristic of roots,osmosis,tonicity,different experiments.	13.The reproductive system.	Male and female reproductive organs, structure and function of gemets,role of placenta.
5.Transpiration.	Process,kinds,mechanism,adaptation, significance,experiments,guttation.	14. Human evolution.	A brief idea of human ancestors, lamarck's theory,Darwin's theory.
6. Photosynthesis.	Choloroplast structure, phases of transpiration,adaptation, experiments with regard to the factors essential for photosynthesis.	15. Population.	Terminology,main reason for rise of population,need for control measures.

8.The circulatory system	Blood, blood vessels,the structure and working of the heart,lymph and lymphatic system	16.Pollution	Different types of pollution,causes, effect, control of it, green house effect, ozone layer, acid rain.
9.The excretory system.	Excretory organs, parts of the urinary system,structure and function of the kidney,nephron, formation of urine,		
10.The nervous system.	Neuron, CNS,PNS,brain,spinal cord, reflex action.		
11. Sense organs.	Ear and eye;structure function,defects and corrective measures.		
12.The endocrine system	Exocrine and endocrine glands,structure, location, secretion and disorders of		
PRACTICAL TOPIC	Practical lab maual to be submitted as per ICSE syllabus discussed in class	PRACTICAL TOPIC	Practical lab maual to be submitted as per ICSE syllabus discussed in class

**SYLLABUS FOR UNIT TEST**

Will be notified by the subject teacher at the appropriate time

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS - X**  
**ACADEMIC SESSION 2026 - 27**  
**SUBJECT : Mathematics**

**PRESCRIBED TEXT BOOK : UNDERSTANDING ICSE MATHEMATICS**

HALF YEARLY		ANNUAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
1. Goods and Service Tax	Problems on G.S.T. <b>FLN - Understanding Tax</b>	15. Circle	Angle Property
4. Linear Inequation	Solving Linear Inequation		Cyclic Property
	Representing on Number Line		Tangent and Secant Property
10. Reflection	Graphical Method	20. Heights & Distance	Angle of Elevation & Depression
	Invariant point		Problems based on Height & Distance
	Combination of Reflection	9. Arithmetic and Geometric Progressions	Finding General term
18. Trigonometric Identities	Identities (Proof)		Finding the sum of first n terms
5. Quadratic Equation	Shreedhar Acharya formula	3. Share and Dividend	Formula of Dividend <b>FLN - How share market works and Dividend is given</b>
	Roots and nature of roots		Problems on Share and Dividend
	Problem Sums	17. Mensuration	Cylinder ,Cone and Sphere
13. Similarity	Angle & Area Principle	16. Construction	Tangent to a circle
	Size transformation		Circumscribed and Inscribed Circle
6. Factorization	Remainder Theorem	12. Equation of Straight Line	Different Forms of Equations formation
	Use of remainder theorem in factorization		Conditions of parallelism and perpendicularity
11. Section Formula	Section Formula	22. Probability	Definition of Probability and Related Problems
	Collinearity of three points		
2. Banking	Interest calculation on Recurring Deposit		
	Problems based on Recurring Deposit.		
21. Measures of Central Tendency	Calculating Mean by different Methods		
	Median of group data with graph (Ogive)		

	Mode of group data with graph (Histogram)		
14. Locus	Construction Principle		
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		
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. <b>(10.06.2026)</b>		Project – III : Home Budget	<b>(11.11.2026)</b>

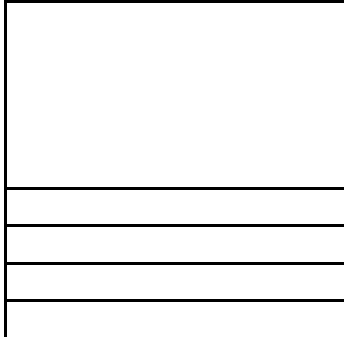
### SYLLABUS FOR UNIT TEST

Will be notified by the subject teacher at the appropriate time

ST. FRANCIS XAVIER SCHOOL			
SYLLABUS FOR CLASS X			
ACADEMIC SESSION 2026 - 27			
COMPUTER APPLICATIONS			
PRESCRIBED TEXT BOOK : Understanding ICSE COMPUTER APPLICATIONS with BlueJ			
HALF YEARLY		REHEARSAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
4. String Handling	Idea of String, String functions	2. Library Classes	Java Packages, Wrapper Class, Methods of Wrapper Classes, Autoboxing, Unboxing
5. User - Defined Methods	Syntax of Method, Defining a Method, Invoking a Method, Pass by value, call by reference, Pure and Impure function, Function Overloading.	6. Class as the Basis of all Computation (Objects and Classes)	Objects and Classes, Software object and class, User defined and Primitive data types, Access specifiers, Instance variable, Class variable and Local variable, Static data member, This keyword.
3. Arrays (Single Dimensional and Double Dimensional)	Need of Array, declaring an array, Single and Double dimensional array, linear searching, Binary searching, Bubble sorting, Selection sorting, Insertion, Deletion, Merging.	8. Encapsulation and Inheritance	Data hiding, scope of variables, Inheritance, Visibility mode of Inheritance, Base class, Types of Inheritance.
7. Constructors	Need of Constructor, Invoking a Constructor, Features of Constructor, Types of Constructor, Constructor Overloading.	Entire Syllabus is included along with project of total 20 programs.	

PROJECT TOPICS : 10 Programs from if-else, switch-case, Method overloading, string functions, constructors. [Each program should contain VDT and Sample input and output.]	PROJECT TOPICS : 10 Programs from Methods, Arrays, encapsulation and Inheritance, String. [Each program should contain VDT and Sample input and output.]
Project submission date : on or before : 14.08.2026	Project submission date : on or before : 29.11.2026
<b>SYLLABUS FOR UNIT TEST</b>	
Will be notified by the subject teacher at the appropriate time	





**ST. FRANCIS XAVIER SCHOOL**

**SYLLABUS FOR CLASS X**

**ACADEMIC SESSION 2026-27**

**SUBJECT:ECONOMIC APPLICATIONS**

**PRESCRIBED TEXT BOOK : ICSE ECONOMIC APPLICATIONS**

HALF YEARLY		REHEARSAL	
CHAPTER NO./TITLE	TOPICS	CHAPTER NO./TITLE	TOPICS
1. Elementary Theory Of Demand	Law of demand,Types,Demand Schedules , Individual demand curve to be distinguished from market demand curve, Determinants of demand, Exceptions,	5.Nature and Structure of Markets	Meaning and types of markets in detail,Features of different types of market.
3.Theory of Supply	Law of supply,Individual supply curves to be distinguished from market supply curve, Determinants of Supply,Exceptions,	6.The State Economic Development <b>Financial Lieracy: GST</b>	Role of State,fiscal and monetary policy,Problems,types of taxes. <b>Goods and Service Tax,Meanings,Rates,Benefits of GST</b>
2.Elasticity of Demand and Supply	Meanings ,Types,Percentage method,Factors affecting Demand and Supply.	9.Central Bank	Functions of RBI-quantitative and qualitative methods for credit control.
4 .Factors of Production	Land,Labour,Capital,Entrepreneur: (meaning,characteristics,functions,importance)DOL,Capital Formation,	10. Inflation <b>Financial literacy:Economic Depression</b>	Meaning and types of inflation in details.Impact of inflation on various economic entities. <b>Economic Depression, Recession,GDP, Economic cycle</b>
7. Meaning and Functions of Money	Meaning , Secondary and Primary functions.		

8. Commercial Banks	Meaning, functions of Commercial Bank, Credit creation,		
PROJECT TOPIC :	Prepare a project to understand the concept of : Law of Demand b. Law of supply	PROJECT TOPIC :	FMCG, Survey of the employees working on physical and mental labour,
Project submission date : (on or before)	25.08.26	Project submission date : (on or before)	30.11.26
<b>SYLLABUS FOR UNIT TEST</b>			
Will be notified by the subject teacher at the appropriate time			