ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS XI SCIENCE
ACADEMIC SESSION 2022-23
ENGLISH LANGUAGE
Prescribed Text Book : Total English (By Pamela Pinto and Xavier Pinto)

UNITI			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH.NO.	NAME OF THE CHAPTER	TOPICS
	Unit 1	A :Tenses and their use -I B: Composition- Introduction and Proposal Writing C : Preposition D. Specimen Paper I (Solved)		Unit 9	A : Two voices - One meaning B : Directed Writing - III C : Preposition D :Specimen Paper 9
	Unit 2	A : Tenses and their use -II B : Organising and planning C : Preposition D :Specimen Paper 2		Unit 10	A :Comparison of Adjectives B : Descriptive Composition C : Preposition D : Specimen Paper 10
	Unit 3	A : Tenses and their use -III B : The Opening and Closing C : Preposition D :Specimen Paper 3		Unit 11	A :Conditional Sentences B : Summary Writing C : Preposition D : Specimen Paper 11
	Unit 4	A : Tenses and their use (IV) B : Narrative Composition C : Preposition D :Specimen Paper 4		Unit 12	A : Transformation of Sentences - I B : Comprehension Skills C : Preposition D : Specimen Paper 12

SYLLABUS FOR UNIT TEST I HALF YEARLY			SYLLABUS FOR UNIT TEST II ANNUAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS

Unit 5	A : Sequence of Tenses B : Telling a Story C : Preposition D :Specimen Paper 5	Unit 13	A : Transformation of Sentences - II B : Argumentative Composition C : Preposition D: Specimen Paper 13
Unit 7	A : Reported Speech - II B : Directed Writing - I C : Preposition D :Specimen Paper 7	Unit 15	A : Transformation- Miscellaneous Exercises B : Free choice composition C :Preposition D: Specimen Paper 15
Unit 8	A : Agreement of the Verb with the Subject B : Directed Writing- II C : Preposition D :Specimen Paper 8	Unit 1-15	Revision

SYLLABUS FOR HALF YEARLY	SYLLABUS FOR ANNUAL
Composition , Comprehension, Report Writing (Dated, undated), Personal Profile Review (All types), Speech, Article, Proposal Writing, Grammar (Transformation of Sentences, Phrasal Verbs/ Prepositions, Tense) Listening Skill/ Speaking Skill	Composition ,Comprehension,Report Writing (Dated, undated), Personal Profile Review (All types), Speech, Article, Proposal Writing, Grammar (Transformation of Sentences, Phrasal Verbs/ Prepositions, Tense) Listening Skill/ Speaking Skill
Project Topic: Narrate your experience through which you learnt something	Project Topic: Report of a School Event.
Project submission date : 13th August 2022 Final - 31st January 2023	

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS XI SCIENCE
ACADEMIC SESSION 2022-23
ENGLISH LITERATURE
Prescribed Text Book : The Tempest, Echoes, Reverie

UNIT I			UNIT II		
CH NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
`	**The Tempest** **Echoes**	Act 1 Sc i		**The Tempest** **Echoes**	Act 2 Sc ii, iii
1	Salvatore - W. Somerset Maugham **Reverie**	Salvatore - W. Somerset Maugham	6	The Chinese Statue - Jeffrey Archer	The Chinese Statue - Jeffrey Archer
4	The Gift of India - Sarojini Naidu	The Gift of India - Sarojini Naidu	7	Desiderata - Max Ehrmann	Desiderata - Max Ehrmann

SYLLABUS FOR UNIT TEST I	SYLLABUS FOR UNIT TEST II
Appropriate portions from the topics taught in Unit I shall be covered Echoes: Salvatore Reverie : The Gift of India	Appropriate portions from the topics taught in Unit II shall be covered Echoes: Salvatore; The Chinese Statue Reverie : The Gift of India; Desiderata

HALF YEARLY			ANNUAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
	The Tempest **Echoes**	Act 1 Sc i,ii Act 2 Sc i.	`	**The Tempest** **Echoes**	Act 3

2	Fritz - Satyajit Ray	Fritz - Satyajit Ray
3	Quality - John Galsworthy	Quality - John Galsworthy
	Reverie	
3	Dolphins - Carol Ann Duffy	Dolphins - Carol Ann Duffy
6	John Brown - Bob Dylan	John Brown - Bob Dylan
7	A Gorilla in the Guest Room - Gerald Durrell	A Gorilla in the Guest Room - Gerald Durrell
	Reverie	
9	The Spider and the Fly - Mary Botham Howitt	The Spider and the Fly - Mary Botham Howitt

SYLLABUS FOR HALF YEARLY		SYLLABUS FOR ANNUAL	
The Tempest	Act 1 Sc i,ii Act 2 Sc i. Echoes: Salvatore; Fritz; Quality	The Tempest	Act 1; 2; 3 Echoes: Salvatore; Fritz; Quality, The Chinese Statue, A Gorilla in the Guest Room
	Reverie: The Gift of India; Dolphins; John Brown		Reverie: The Gift of India; Dolphins; John Brown, Desiderata, The Spider and the Fly
PROJECT TOPIC	Analysis of the Theme of The Gift of India Date of Submission -31st August,2022	PROJECT TOPIC	Analysis of the Themes in The Tempest Date of Submission - 31st January, 2022

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS XI SCIENCE
ACADEMIC SESSION 2022-23
PHYSICS
Prescribed Text Book : ISC PHYSICS BY PRITAMBAR

UNITI			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Physical World:	Scope of Physics and its application in everyday life. Nature of physical laws.	9	Mechanical Properties of Fluids	Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes), effect of gravity on fluid pressure. Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its applications. Surface energy and surface tension, angle of contact, excess of pressure across a curved surface, application of surface tension ideas to drops, bubbles and capillary rise.

2	Units and Measurements	Measurement: need for measurement; units of measurement; systems of units: fundamental and derived units in SI; measurement of length, mass and time; accuracy and precision of measuring instruments; errors in measurement; significantfigures. Dimensional formulae of physical quantities and constants, dimensional analysis and its applications.	10	Motion of System of Particles and Rigid Body	Idea of centre of mass: centre of mass of a two particle system, momentum conservation and centre of mass motion. Centre of mass of a rigid body; centre of mass of a uniformrod. Moment of a force, torque, angular momentum, laws of conservation of angular momentum and its applications. Equilibrium of rigid bodies, rigid body rotation and equations of rotational motion, comparative study of linear and rotational motions. Moment of inertia, radius of gyration, moments of inertia for simple geometrical objects (no derivation). Statement of parallel and perpendicular axes theorems and their applications.
3	Motion in a Straight Line	Frame of references, Motion in a straight line (one dimension): Position-time graph, speed and velocity. Elementary concepts of differentiation and integration for describing motion, uniform and non- uniform motion, average speed, velocity, average velocity, instantaneous velocity and uniformly accelerated motion, velocity - time and position - time graphs. Relations for uniformly accelerated motion (graphical treatment).	11	Thermodynamics	Thermal equilibrium and definition of temperature (zeroth law of thermodynamics), heat, work and internal energy. First law of thermodynamics, isothermal and adiabatic processes. Second law of thermodynamics: reversible and irreversible processes, Heat engine and refrigerator

4	Motion in a Plane	Scalar and Vector quantities with examples. Position and displacement vectors, general vectors and their notations; equality of vectors, addition and subtraction of vectors, relative velocity, Unit vector; resolution of a vector in a plane, rectangular components, Scalar and Vector product of two vectors. Projectile motion and uniform circular motion.

SYLLABUS FOR UNIT TEST I	SYLLABUS FOR UNIT TEST II
Appropriate portions from the topics taught in Unit I shall be covered	Appropriate portions from the topics taught in Unit II shall be covered

HALF YEARLY			ANNUAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
5	Laws of Motion	General concept of force, inertia, Newton's	12	Gravitation	Kepler's laws of planetary motion, universal law of gravitation. Acceleration due to gravity (g)
6	Work, Power and Energy	Work done by a constant force and a variable force; kinetic energy, work-energy theorem, power. Potential energy, potential energy of a spring, conservative forces: conservation of mechanical energy (kinetic and potential energies); Conservative and non-conservative forces. Concept of collision: elastic and inelastic collisions in one and two dimensions.	13	Behaviour of Perfect Gases and Kinetic Theory of Gases	Kinetic Theory: Equation of state of a perfect gas, work done in compressing a gas. Kinetic theory of gases - assumptions, concept of pressure. Kinetic interpretation of temperature; rms speed of gas molecules; degrees of freedom, law of equi-partition of energy (statement only) and application to specific heat capacities of gases; concept of mean free path, Avogadro's number.
7	Properties of Bulk Matter	Mechanical Properties of Solids: Elastic behaviour of solids, Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus, shear modulus of rigidity, Poisson's ratio; elasticenergy.	14	Oscillations:	Periodic motion, time period, frequency, displacement as a function of time, periodic functions. Simple harmonic motion (S.H.M) and its equation; phase; oscillations of a spring, restoring force and force constant; energy in S.H.M., Kinetic and potential energies; simple

8	Heat	Thermal Properties of Matter: Heat, temperature, thermal expansion; thermal expansion of solids, liquids and gases, anomalous expansion of water; specific heat capacity, calorimetry; change of state, specific latent heat capacity. Heat transfer-conduction, convection and radiation, thermal conductivity, qualitative ideas of Blackbody radiation, Wein's displacement Law, Stefan's law, and Greenhouseeffect.	15	Waves:	Wave motion, Transverse and longitudinal waves, speed of wave motion, displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect.

SYLLABUS FOR HALF YEARLY	SYLLABUS FOR ANNUAL
SYLLABUS FOR HALF YEARLY EXAMINATION INCLUDES UNIT TEST I SYLLABUS	ALL THE CHAPTERS.PROJECT OF 20 MARKS TO BE INCLUDED AS PER NEW ISC SYLLABUS

Project submission date : Ist draft :on or before 13th August
Final :on or before 30th November

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS XI SCIENCE
ACADEMIC SESSION 2022-23
CHEMISTRY
Prescribed Text Book : ISC Chemistry by Dr. M.P. Sawhney, Balaji Publishers.

UNIT II			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
2	**Structure of Atom.**	Concept of Atom, Rutherford's theory, Bohr's theory , Hund's Rule , Aufbau Principle	8	**Redox Reactions.**	Concept of oxidation & Reduction , Oxidation No., Oxidation & Reduction in terms of
3	**Classification of Elements and**	Introduction, Catenation, Classification	9	**Hydrogen**	Methods of Preparation, Bosch Process , Chemical Properties, Structure.
12	**Organic Chemistry :Some basic Principles & Technique.**	Substitution ,addition elimination, Heterolytic	10	**Chemical Kinetics**	of the reaction. Hydrolysis constant, Buffers, Ph (Numericals)
4	**Chemical Bonding**	Electrovalent Bond, Covalent ,Co-ordinate Bond, Hydrogen Bonding, VSEPR, MO			

SYLLABUS FOR UNIT TEST I	SYLLABUS FOR UNIT TEST II
Appropriate portions from the topics taught in Unit I shall be covered	Appropriate portions from the topics taught in Unit II shall be covered

HALF YEARLY			ANNUAL		
CH. NO.	NAME OF THE	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
6	**Chemical Thermodynam**	Meaning of work, energy, Mathematical form	14	**Environmental Chemistry**	Energy, Pollution-Air,Water ,Soil & Green Chemistry
5	**States of Matter:**	Gas Laws, Kinetic Theory, Ideal gas Equation ,	11	**Some p-Block elements**	Group 13, Borax- Bead Test, Boric Acid, Diborane,Group 14 - Silicon Carbides Silicon Tetrachloride

13	**Hydrocarbons**	General formula , Methods of Preparation , Chemical Properties & Physical properties.	**Practical: Salt Analysis. (Anion & Cation –Single Salt) (Group I,II cations),III, IV** **TITRATIONS**
9.	**Study of Representative**	S block- chemical reactivity, properties &	**Project;**Explosives , Atomic Structure, Chemical Bonding , DNA Fingerprinting, rocket propellents
10	**s-Block elements**	Group I and II , Castner - Keller cell ,	

SYLLABUS FOR HALF YEARLY	SYLLABUS FOR ANNUAL
SYLLABUS FOR HALF YEARLY EXAMINATION INCLUDES UNIT TEST I SYLLABUS	ALL THE CHAPTERS.PROJECT OF 20 MARKS TO BE INCLUDED AS PER NEW ISC SYLLABUS

Project submission date : Ist draft :on or before 26th August
Final :on or before 30th November

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS XI SCIENCE
ACADEMIC SESSION 2022-23
MATHEMATICS
Prescribed Text Book : UNDERSTANDING ISC MATHEMATICS BY M.L. AGGARWAL

UNIT II			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Set	Set theory and its Operations	15	Relations and Functions	Cartesian product, domain, range, classification of functions
			16	Circle	Equations of Circles and their Tangents
2	Quadratic equations	Quadratic(equation, function, inequalities)	17	Permutation and Combination	Concept of Factorial, Permutation & Combination, Restricted & Circular Permutation
3	Angles and arc lengths	Angles and arc lengths			sine cos formula , area of a triangle.
4	Trigonometric function	Trigonometric function			
5	Compound and multiple angles	Compound and multiple angles addition and product rule			
6	Trigonometric	Solving Trigonometric equations			
7	Complex Number	Real & imaginary number, Modulus and argument, Argand Plane(Locus), Cube root of Unity			
SYLLABUS FOR UNIT TEST I			SYLLABUS FOR UNIT TEST I		
Appropriate portions from the topics taught in Unit I shall be covered			Appropriate portions from the topics taught in Unit II shall be covered		
HALF YEARLY			ANNUAL		
8	Mathematical Induction	Proving Series & Divisibility by Mathematical Induction	19	Binomial Theorem	General term, Middle term and problems

9	Finite and Infinite Sequence	A.P., G.P., A.G.P. Series	20	Limits and Derivatives	Limits of algebraic, trigonometric, exponential and logarithmic functions, derivatives of functions using 1st and 2nd principle, Sum, Difference, Product and Quotient Rule for derivatives
10	Co-Ordinate Geometry	Points and Co-ordinates, Locus , Equation of a Straight Line	21	Mathematical Reasoning **(Sec B)**	Mathematical reasoning
12	Linear Inequation	Graphical solution of inequations and quadratic inequations	23	Index number & Moving Average**(Sec C)**	Index number, Moving Average (Graphically)
	Conics **(Sec B)**	Equations of Parabola, Ellipse, Hyperbola and their Tangents	24	Probability	Random experiments and their outcomes, Addition theorem
13	Statistics **(Sec C)**	Combined Mean, Quartile, Decile, Percentile			
14	Correlation **(Sec C)**	Karl Pearson's & Spearman's Method of Correlation			

SYLLABUS FOR HALF YEARLY	SYLLABUS FOR ANNUAL
SYLLABUS FOR HALF YEARLY EXAMINATION INCLUDES UNIT TEST I SYLLABUS	ALL THE CHAPTERS. PROJECT OF 20 MARKS TO BE INCLUDED AS PER NEW ISC SYLLABUS

Project submission date : Ist draft :on or before 26th August
Final :on or before 30th November

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS XI SCIENCE
ACADEMIC SESSION 2022-23
BIOLOGY
Prescribed Text Book : ISC Biology by Dr. S.C. Tripathy, Balaji Publication

UNIT I

CH. NO.	NAME OF THE CHAPTER	TOPICS
1	The Living World	What is living? Need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature; tools for study of taxonomy museums, zoological parks, herbaria, botanicalgardens, key.
2	Biological Classification	Five kingdom classification; s alient features and classification of Monera, Protista, Fungi, Plantae and Animalia. Lichens, Viruses andViroids.

UNIT II

CH. NO.	NAME OF THE CHAPTER	TOPICS
9	Cell - the Unit of Life	Cell theory and cell as the basic unit of life: Structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall (including definition of plasmodesmata); cell organelles – ultrastructure and function; endomembrane system (endoplasmic reticulum, Golgi bodies, lysosomes, vacuoles), mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles; nucleus, nuclear membrane, chromatin, nucleolus.
10	Biomolecules	Proteins, carbohydrates, lipids, nucleic acids, enzymes.

SYLLABUS FOR UNIT TEST I

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

Appropriate portions from the topics taught in Unit II shall be covered

HALF YEARLY

CH. NO.	NAME OF THE CHAPTER	TOPICS

ANNUAL

CH. NO.	NAME OF THE CHAPTER	TOPICS

3	Plant Kingdom	Algae,Bryophyta, Pteridophyta, Gymnosperms, Angiosperms, Comparison of life cycle patterns of different plant groups (haplontic, diplontic and haplo-diplontic).	11	Cell Cycle and Cell Division	Cell cycle, mitosis, meiosis and their significance.
4	Animal Kingdom	Animal Kingdom: animal construction - body plan (cell aggregate plan, blind-sac plan and tube-within-tube plan), symmetry (spherical, radial and bilateral symmetry), coelom development (diploblastic and triploblastic organisation in animals, acoelomate, pseudocoelomate, coelomate and haemocoelomate), segmentation.	12	Transport in Plants	Movement of water, gases and nutrients; cell to cell transport, diffusion, facilitated diffusion, active transport; plant-water relations, imbibition, water potential, osmosis, plasmolysis; long distance transport of water - absorption, apoplast, symplast, transpiration pull, root pressure and guttation; transpiration, opening and closing of stomata; uptake and translocation of mineral nutrients - transport of food - phloem transport, mass flow hypothesis; diffusion of gases.
5	Morphology and modifications of root, stem, leaf	Types of roots (tap, fibrous, adventitious), regions, modifications of roots for storage; fusiform;conical; napiform. respiration and support (stilt and prop). Stems – features (nodes internodes,	13	Mineral Nutrition	Essential minerals, macro- and micronutrients and their role; deficiency symptoms; mineral toxicity; elementary idea of hydroponics nitrogen metabolism, nitrogen cycle, biological nitrogen fixation.
6	Morphology of flower, fruit and seed. Structure of a typical flower, types of inflorescence (racemose and cymose).	Structure of a typical flower in details.	14	Photosynthesis in higher plants	Photosynthesis as a mean of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary 225 idea); photochemical and biosynthetic phases of photosynthesis; cyclic and non-cyclic photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis.

8	Animal tissues, Cockroach	Epithelial, connective, muscular and nervous tissues to be taught with the help of diagrams. Morphology, anatomy and functions of different systems (digestive, circulatory, respiratory, nervous and reproductive) of an insect (cockroach) - a brief account only	16	Plant Growth and Development	Seed germination; phases of plant growth; differentiation, dedifferentiation and redifferentiation; sequence of developmental processes in a plant cell; growth regulators - auxin, gibberellin, cytokinin, ethylene, ABA; seed dormancy; vernalisation; photoperiodism.
			17	Digestion and Absorption.	Alimentary canal and digestive glands, role of digestive enzymes; peristalsis, digestion, absorption and assimilation of proteins, carbohydrates and fats; calorific values of proteins, carbohydrates and fats; egestion; nutritional and digestive disorders.
			18	Breathing and exchange of gases.	Respiratory organs in animals (recall only); Respiratory system in humans; mechanism of breathing and its regulation - exchange of gases, transport of gases and regulation of respiration, respiratory volumes; disorders related to respiration.
			20	Excretory products and their elimination.	Modes of excretion - ammonotelism, ureotelism, uricotelism; human excretory system - structure and function; urine formation, osmoregulation; regulation of kidney function, renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of erythropoietin; role of other organs in excretion; disorders of the excretory system - uraemia, renal failure, renal calculi, nephritis; dialysis and artificial kidney.

21	Locomotion and Movement	Types of movement - ciliary, flagellar, muscular; skeletal muscles - contractile proteins and muscle contraction; skeletal system and its functions; joints; disorders of muscular and skeletal system.
22	Neural Control and Coordination	Neuron and nerves; nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system; generation and conduction of nerve impulse; reflex action; sensory perception; sense organs; elementary structure and functions of eye and ear.
23	Chemical Co-ordination and Integration	Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid, adrenal, pancreas, gonads; mechanism of hormone action (elementary idea); role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders; dwarfism, acromegaly, cretinism, goitre, exophthalmic goitre, diabetes mellitus and diabetes insipidus, Grave's disease, Addison's disease.

SYLLABUS FOR HALF YEARLY	SYLLABUS FOR ANNUAL
All the chapters from 1-8 for halfyearly	All chapters from 1-23 for annual examination

Project submission date : Ist draft :on or before 13th August
Final :on or before 30th November

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS XI SCIENCE
ACADEMIC SESSION 2022-23
COMPUTER SCIENCE
Prescribed Text Book : ISC Computer Science with Java by Sumita Arora

UNIT I			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Data Representation	Number Systems, Conversions, Binary Arithmetic (Addition,	9	Program Error Types,Exception	Errors, Exception handling, Exception Heirarchy etc.
3	General OOP Concepts	Evolution of software,OOP Concepts etc.	10	Using Library classes,Packages	Wrapper classes,Working with Strings, Packages etc.
4	Introducing Java	Creating & running java program (Using Blue Java) , related commands etc.	12	Operations on Files	Reading from and writing to text, binary files, Java Streams, String Tokenizer etc
5	Java Fundamentals	Character set, tokens, data types, variables, their types, uses operators etc.			Hacking, Piracy, Computer crime, Email and its use, etc.
7	Classes in Java	Composite type, encapsulation, JVM,			

SYLLABUS FOR UNIT TEST I	SYLLABUS FOR UNIT TEST II
Appropriate portions from the topics taught in Unit I shall be covered	Appropriate portions from the topics taught in Unit II shall be covered

HALF YEARLY			ANNUAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
2	Propositional Logic & Hardware	Concept,Types of Inheritance, method overriding, base, derived class, super keyword, Programs etc.	1,2	Data Representation, Propositional	Revision
6	Flow of Control	for loop, while loop, do-while loop, nested loop, input output examples etc	3,4	General OOP,Concepts,Java	Revision
11	Arrays	Types of Arrays -1D, 2D, Searching ,Sorting-Bubble, Selection etc.	5	Java Fundamentals	Revision

8	Functions/Methods	Revision
11	Arrays, Strings	Revision
9	Compiling Java Programs	Revision

SYLLABUS FOR HALF YEARLY	SYLLABUS FOR ANNUAL
Theory Chapters -1,2,3,4,5,6,7,8,11(From text Book) Practical-(From Text Book,ISC Important Programs,ISC Resources) Asignment File:-Total 10 programs from Chapter 1(Encoding, Conversi Chapter 6(Loops),Chapter8(Programs using functions) Project submission date : Ist draft :on or before 12th August Final :on or before 30th November	Practical-Assignment File:-Total 20 Programs from Chapter6(Loops), Chapter 8(Functions),Chapter 11(Recursion),Chapter 13(Data Structures)

ST. FRANCIS XAVIER SCHOOL
SYLLABUS FOR CLASS XI SCIENCE
ACADEMIC SESSION 2022-23
BENGALI
Prescribed Text Book : Probandho O Gadhya Sankolan, Kabita Sankolan and Koni

UNIT I			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Thakurda	Thakurda	5	Record	Record
2	Jorasankor dhare	Jorasankor dhare	6	Birjo Sulka	Birjo Sulka
1	Ora kaj kore	Ora kaj kore		Salamaner Maa	Salamaner Maa
2	Pub paschim	Pub paschim			Baborer Prarthana
	Koni	Chapter no 1,2,&3			
	Grammar	Misspelt words Proverbs Join in one word		Koni	Chapter No 7,8,9
Project Work		1.Banglar Ekti Gramer Chitro (Composition) 2.Jorasankordhare (prose)by Abanindranath Tagore 3.Ora KAJ Kore(Poem)by Rabindranath Tagore. Date Of Submission 27.7.22		Grammer	Misspelt Words Proverbs Join in one word
	Grammar	Misspelt words Proverbs join in one word			

SYLLABUS FOR UNIT TEST I	SYLLABUS FOR UNIT TEST II
Appropriate portions from the topics taught in Unit I shall be covered	Appropriate portions from the topics taught in Unit II shall be covered

HALF YEARLY			ANNUAL		
CH. NO.	NAME OF THE	TOPICS	CH. NO.	NAME OF THE	TOPICS
4	Anachar	Anachar	8	Lachmaner Maa	Lachmaner Maa
3	Bonolata Sen	Bonolata Sen	7	Jodi Nirbasan Dao	Jodi Nirbasan Dao
		Barnoparichoy			

Koni	Chapters 4,5,6 and Unit 1 syllabus	Koni	Chapter no 10,11 and Unit II syllabus
Grammar and composition	Essay Writing Comprehension Transformation of Sentences Etc punctuation Mark Synonyms, Homonyms		
SYLLABUS FOR HALF YEARLY		SYLLABUS FOR ANNUAL	
	Narration Change	Prose	Chapters 1 to 6
	Misspelt Words etc	Poem	Chapters 1 to 6
	Joint Word	Koni	Chapters 1 to 11
	Voice change		