

**ST FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2021-22**  
**ENGLISH LANGUAGE**

**Prescribed Text Book : Total English (By Pamela Pinto and Xavier Pinto)**

<b>UNIT I</b>		<b>UNIT II</b>	
<b>CHAPTER NO.</b>	<b>TOPIC</b>	<b>CHAPTER NO.</b>	<b>TOPIC</b>
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
<b>SYLLABUS FOR UNIT I</b>		<b>SYLLABUS FOR UNIT II</b>	
Appropriate portions from the topics taught in Unit I shall be covered		Appropriate portions from the topics taught in Unit II shall be covered	
<b>HALF YEARLY</b>		<b>ANNUAL</b>	
<b>CHAPTER NO</b>	<b>TOPIC</b>	<b>CHAPTER NO</b>	<b>TOPIC</b>
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 6	A : Reported Speech - I B : Characterisation	Unit 14	A: Transformation of Sentences - III B : Reflective Composition

	C : Preposition D :Specimen Paper 6		C : Preposition D: Specimen Paper 14
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
<b>SYLLABUS FOR HALF YEARLY</b>		<b>SYLLABUS FOR ANNUAL</b>	
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	
<b>PROJECT TOPICS : Description of a process/ Description of any Sports Events/ Review of any television show</b> Project submission date : Ist draft :on or before 13 <sup>th</sup> August 2nd draft on or before 30 <sup>th</sup> November			

**ST FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2021-22**  
**ENGLISH LITERATURE**

<b>UNIT I</b>			<b>UNIT II</b>		
<b>Prescribed Text Book</b>	<b>Chapter No</b>	<b>CONTENTS</b>	<b>Prescribed Text Book</b>	<b>Chapter No</b>	<b>CONTENTS</b>
Echoes : A Collection of ISC Short Stories	5	The Story of an Hour- Kate Chopin	Echoes : A Collection of ISC Short Stories	10	B. Wordsworth – V.S. Naipaul,
				9	The Sound Machine- Roald Dahl
	7	A Gorilla in the Guest Room - GeraldDurrell	Reverie : A Collection of ISC Poems	10	We are the Music Makers – Arthur William Edgar O’Shaughnessy,
Reverie : A Collection of ISC Poems	1	The Darkling Thrush - Thomas Hardy		8	Dover Beach- Matthew Arnold
The Tempest		Act - IV	The Tempest		Act V and Epilogue
<b>SYLLABUS FOR UNIT TEST 1</b>			<b>SYLLABUS FOR UNIT TEST II</b>		

Appropriate portions from the topics taught in Unit I shall be covered			Appropriate portions from the topics taught in Unit II shall be covered		
<b>HALF YEARLY</b>			<b>REHEARSAL</b>		
Echoes : A Collection of ISC Short Stories	8	The Singing Lesson - Katherine Mansfield	Echoes : A Collection of ISC Short Stories		Revision
	4	To Build a Fire - Jack London			
Reverie : A Collection of ISC Poems	2	Birches - Robert Frost	Reverie : A Collection of ISC Poems		Revision
	5	Crossing the Bar- Alfred Lord Tennyson	The Tempest		Revision
The Tempest		Act 1 - Act V ( till the portion taught)			
<b>SYLLABUS FOR HALF YEARLY</b>			<b>SYLLABUS FOR REHEARSAL EXAMINATION</b>		

Echoes : To Build a Fire, The Singing Lesson, The Story of an Hour, A Gorilla in the Guest Room Reverie : The Darkling Thrush, Birches, Crossing the Bar, The Gift of India The Tempest : Act I, II, III, IV	Entire ISC Syllabus
<b>PROJECT TOPICS</b>	Analyze the character of Salvatore/ Mrs. Mallard, Compare and contrast two main characters of the short story Fritz, Analyze the background of the poem John Brown Project submission date : Ist draft :on or before 13 <sup>th</sup> August Final :on or before 30 <sup>th</sup> November

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**

**ACADEMIC SESSION 2021-22**

**SECOND LANGUAGE (BENGALI)**

<b>UNIT I</b>			<b>UNIT II</b>		
Prescribed Text Book	Chapter No	CONTENTS	Prescribed Text Book	Chapter No	CONTENTS
1.Probandho O Gadhya Sankolan	8	Lachmaner Maa	Probando O Gadhya Sankolan	10	Na Paharar Parikha
Kabita Sankolan	8	Rasta Karo Ekar Noy	Kabita Sankolan	10	Nun
Koni		Ch. No. 12	Koni		Chapter No 14
Grammar		Misspelt Words Proverbs Join In One Word	Grammar		Misspelt Words Proverbs Join In One Word
<b>SYLLABUS FOR UNIT TEST 1</b>			<b>SYLLABUS FOR UNIT TEST 1</b>		
Appropriate portions from the topics taught in Unit I shall be covered			Appropriate portions from the topics taught in Unit II shall be covered		
<b>HALF YEARLY</b>			<b>REHEARSAL</b>		
Probando O Gadhya Sankolan	9	Ekti Tulshi Gacher Kahini	Probando O Gadhya Sankolan		Whole book(10 stories to be studied Prescribed by I.S.C)
	7	Aadab	Kabita Sankolan		Whole book(10 poems to be studied Prescribed by I.S.C)
Kabita Sankolan			Koni		Whole book(14 chapters to be studied Prescribed by I.S.C)
	9	Swadhinata Tumi			
	7	Jodi Nirbashon Dao			
Koni		Ch. No. 13			
Grammar		Essay writing, Comprehension, Punctuation Mark, Synonyms, Homonyms, Proverbs	Grammar		Essay writing, Comprehension, Punctuation Mark, Synonyms, Homonyms, Proverbs
		Voice change, Narration, Misspelt words etc., Joint word, Transformation of sentences etc.			Voice change, Narration, Misspelt words etc., Joint word, Transformation of sentences etc.
<b>SYLLABUS FOR HALF YEARLY</b>			<b>SYLLABUS FOR REHEARSAL</b>		
Unit I and Half yearly all the chapters			Entire ISC Syllabus		

**PROJECT TOPICS**

Bidyalay Jiboner Smaronio Aviggota (Composition), Jora Sankor Dhare (Prose) by Abonindranath Tagore , Bornoporichoy (Poem) by Tarun Sannyal

Project submission date : Ist draft :on or before 13<sup>th</sup> August

Final :on or before 30<sup>th</sup> November

**ST FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2021-22**  
**SECOND LANGUAGE (HINDI)**

<b>UNIT I</b>			<b>UNIT II</b>		
Prescribed Text Book	Chapter No	CONTENTS	Prescribed Text Book	Chapter No	CONTENTS
गद्य संकलन	1	अंधेरे का दीपक हरिवंश राय बच्चन	गद्य संकलन	1	एक फू ल की चाह- सियारामशरण गुप्ता
	2	बाल लीला- सूरदास		2	बादल को घिरते देखा है -नागार्जुन
	3	उद्यमी नर- रामधारी -- रामधारी सिंह			
		including class XI syllabus			
	5	भक्तिन -महादेवी वर्मा		1	भक्तिन -महादेवी वर्मा
		संस्कृति क्या है -- दिनकर रामधारी सिंह दिनकर		2	आउटसाइडर- मालती जोशी
		क्या निराश हुआ जाए - हजारी प्रसाद द्विवेदी			
		आषाढ़ का एक दिन --1			आषाढ़ का एक दिन अंक -2
<b>SYLLABUS FOR UNIT TEST 1</b>			<b>SYLLABUS FOR UNIT TEST II</b>		
Appropriate portions from the topics taught in Unit I shall be covered			Appropriate portions from the topics taught in Unit II shall be covered		
<b>HALF YEARLY</b>			<b>REHEARSAL</b>		
गद्य संकलन	3	एक फू ल की चाह- सियारामशरण गुप्ता	गद्य संकलन		Revision of whole syllabus
	4	आ: धरती घकतना देती है - सुमित्रा नंदन पंत			
	5	भक्तिन -महादेवी वर्मा			
	6	संस्कृति क्या है -- रामधारी सिंह दिनकर			
	7	गौरी सुभद्रा कुमारी चौहान			
	8	पुत्र प्रेम -प्रेमचंद			
	9	शरणागत वृन्दावन लाल वर्मा			
	10	सती - शिवानी			

	आषाढ़ का एक दिन अंक 3		
<b>SYLLABUS FOR HALF YEARLY</b>		<b>SYLLABUS FOR REHEARSAL</b>	
Chapters taught in Unit I and Half Yearly		Entire ISC Syllabus	

**PROJECT  
TOPICS**

- (1) विश्व शांति के उपाय  
(2) भारतीय संस्कृति की विशेषताएँ

Project submission date : Ist draft :on or before 13<sup>th</sup> August  
Final :on or before 30<sup>th</sup> November

**ST FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2021-22**  
**ACCOUNTS**

**Prescribed Text Book : Double Entry Book Keeping (By T.S.Grewal)**

<b>UNIT I</b>			<b>UNIT II</b>		
<b>CHAPTER NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>	<b>CHAPTER NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>
1-3	Partnership	(i) Fundamentals, Past Adjustments, Minimum Guarantee, (ii) Treatment and Valuation of Goodwill, (iii) Admission of a Partner	6	Joint Stock Company	Issue of shares, Forfeiture and Reissue of shares, Issue of shares in consideration other than cash, Pro Rata Allotment and its types
			4 (Part B)	Ratio Analysis	Meaning, Advantages, Limitations, Problems on Ratio Analysis
<b>SYLLABUS FOR UNIT TEST 1</b>			<b>SYLLABUS FOR UNIT TEST II</b>		
Appropriate portions from the topics taught in Unit I shall be covered			Appropriate portions from the topics taught in Unit II shall be covered		
<b>HALF YEARLY</b>			<b>REHEARSAL</b>		
4-6	Partnership	(iv) Retirement of a partner, (v) Death of a Partner, (vi) Dissolution of Partnership	7-9	Joint Stock Company	(vii) Issue of Debentures, (viii) Redemption of Debentures, (ix) Preparation of Balance Sheet under Schedule III
2 (Part B)	Financial Statement Analysis	Comparative and Common-Size Statements	3 (Part B)	Cash Flow Statement	Preparation of Cash Flow Statement (under Indirect Method only)
<b>SYLLABUS FOR HALF YEARLY</b>			<b>SYLLABUS FOR REHEARSAL</b>		
Chapters taught in Unit I+ Half Yearly+ Project work+ Viva			Entire ISC syllabus + Project work + Viva		



**PROJECT TOPICS**

- (1) Preparation of Common-Size and Comparative Income Statement and Balance Sheet of a company.  
 (2) Preparation of Cash Flow Statement of a company for two consecutive accounting years.

Project submission date : Ist draft :on or before 13<sup>th</sup> August,21  
 Final :on or before 30<sup>th</sup> November,21

**ST. FRANCIS XAVIER SCHOOL****SYLABUS FOR CLASS XII COMMERCE****ACADEMIC SESSION 2021-22****COMMERCE****Prescribed Text Book : ISC Commerce (By C.B.Gupta)**

<b>Unit I</b>			<b>Unit II</b>		
<b>CHAPTER NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>	<b>CHAPTER NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>
1	Business Environment	Concept, Importance, Dimensions, SWOT Analysis	10-12	Functions of Management	(x)Staffing, (xi)Directing, (xii) Controlling
2-3	Capital- Fixed and Working	(ii)Financial Planning, Fixed Capital-types, Working Capital-types, (iii)Sources of Finance for a Joint Stock Company	13	Marketing- Concepts and Functions	Meaning and features of Marketing, Objectives, Importance and Functions of Marketing, Comparison between Marketing and Selling
4	Banking- Latest Trends	RTGS, NEFT, E-Banking, Bank Draft			

HALF YEARLY			REHEARSAL		
5	Management , Meaning and Importance	Concept, Definitions, Nature and Objectives of Management,	14	Marketing Mix	Meaning and Elements of Marketing Mix Product Mix, Price Mix, Place Mix, Promotion Mix
6-7	Principles of Management	(vi)Nature and Need for Principles of Management, Fayol's Principles of Management, Taylor's Principles of Management (vii)Classification of Functions of Management	15	Consumer Protection	Rights of Consumers, Need for consumer Protection Methods of consumer protection. The Consumer Protection Act, 2019
8-9	Functions of Management	(viii)Planning, (ix)Organising			
<b>SYLLABUS FOR HALF YEARLY</b>			<b>SYLLABUS FOR REHEARSAL</b>		
Chapters taught in Unit I+ Half Yearly+ Project work+ Viva			Entire ISC syllabus + Project work + Viva		

<b>PROJECT TOPICS</b>	(1) Study a company on the basis of its Ownership, Capital structure and its Profitability. Also Prepare SWOT Analysis. (2) Visit a Commercial Bank and find out the procedure of opening a Savings Bank Account
	Project submission date : Ist draft :on or before 13 <sup>th</sup> August,21 Final :on or before 30 <sup>th</sup> November,21

**ST FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2021-22**  
**BUSINESS STUDIES**

**Prescribed Text Book : ISC Business Studies (By C.B.Gupta)**

<b>UNIT I</b>			<b>UNIT II</b>		
<b>CHAPTER NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>	<b>CHAPTER NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>
1-6	Human Resource Management	(i)Introduction to Human Resource Management,(ii) Job andManpower Planning, (iii)Staff Recruitment, (iv)Staff Selection, (v) Staff Training, (vi) Staff Morale	14-16	Business Communication and Correspondence	(xiv)Business Communication, (xv) Business Correspondence, (xvi) Reports and Report Writing
			17-18	Business Size and Finance	(xvii) Various Business Entities (xviii) Sources of Business Finance
<b>SYLLABUS FOR UNIT TEST 1</b>			<b>SYLLABUS FOR UNIT TEST II</b>		
Appropriate portions from the topics taught in Unit I shall be covered			Appropriate portions from the topics taught in Unit II shall be covered		
<b>HALF YEARLY</b>			<b>REHEARSAL</b>		
7-13	Human Resource Management	(vii) Staff Motivation, (viii) Staff Remuneration, (ix)Staff Leadership, (x) Staff Appraisal, (xi)Staff Promotion and	19-22	Globalization and Recent Trends in Business	

		Transfer, (xii) Staff Separation, (xiii) Emerging Trends in HumanResources		Business Regulators and Intermediaries	(xix) Globalization (xx) E-Business (xxi) Outsourcing and its types  (xxii) Role of business regulators and intermediaries
<b><u>SYLLABUS FOR HALF YEARLY</u></b>			<b><u>SYLLABUS FOR REHEARSAL</u></b>		
Chapters taught in Unit I+ Half Yearly+ Project work+ Viva			Entire ISC syllabus + Project work + Viva		
<b>PROJECT TOPICS</b> <ul style="list-style-type: none"> <li>(1) Study and compare two E-Business.</li> <li>(2) Study the leadership styles of two successful Business leaders</li> </ul> <p style="margin-left: 40px;">Project submission date : Ist draft :on or before 13th August,21 Final :on or before 30th November,21</p>					

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2021-22**  
**COMPUTER SCIENCE**

**Prescribed Text Book : ISC Computer Science with JAVA (By Sumita Arora)**

<b>UNIT TEST 1</b>			<b>HALF YEARLY EXAMINATION</b>		
<b>CH. NO.</b>	<b>NAME OF THE CHAPTER</b>	<b>TOPICS</b>	<b>CH. NO.</b>	<b>NAME OF THE CHAPTER</b>	<b>TOPICS</b>
1	Boolean Algebra	Propositional logic, Binary quantities, theorems, Karnaugh-maps, minterms, maxterms,SOP,POS .	7	Functions/Methods	Functions, need, advantages, disadvantages, call by value, call by reference, Constructors, Formal/actual argument, Overloading, programs
2	Computer Hardware	Logic Gates – AND, OR, NAND,NOR,XOR,XNOR Adders – half and full, Encoders, Decoders etc.	8	Arrays, Strings	1-D Arrays, 2-D Arrays, String concept, syntax and applications in computer programs etc.
3	Objects and Classes	Attributes, behaviour, Objects, Classes and their examples	9	Compiling and Running Java Programs	Writing , Compiling and executing Java Programs (In Blue Java) etc.

4	Java Revision Tour	Anatomy of java, fundamentals , Exceptionsetc.	10	Java Classes-An OOP Perspective	OOP Concept, characteristics of OOP, features ofOOP, Classes, JVM etc.
5	Primitive values, Datatypes	Basic concepts, Token, Variable, different datatypes, their behaviour, casting, precedence of operators etc.	11	Recursion	Difference with Iteration, Advantages, Disadvantages, Programs etc
6	Statements, Control Structures and Scope	if, if – then - else, switch, loops, different types, their syntax, use and differences etc.			
<b>SYLLABUS FOR UNIT TEST I</b>			<b>SYLLABUS FOR HALF YEARLY</b>		
Appropriate portions from the topics taught in Unit I shall be covered			Theory-Chapters 1,2,3,4,5,6,7,8,9,10,11 (From Text Book) Practical- (From Textbook, ISC Important Programs, ISC Resources Notes etc) Assignment File:- Total 15 Programs from Chapter 6(Loops), Chapter7 (Class-Function based Programs), Chapter 8( 1D arrays, 2D arrays, Strings)		

<b>UNIT TEST 2</b>			<b>REHEARSAL</b>		
12	Concept of Inheritance	Concept, Types of Inheritance, method overriding, base, derived class, super keyword, Programs etc.	1,2	Boolean Algebra, Computer Hardware	Revision
13	Simple Data Structures	Concept of linked list, types of linked list – singly, doubly linked list, Different types of queue.	3,4	Objects and classes, Java Revision Tour	Revision
14	Recursive Data Structures	Trees, terminologies, Types of Traversal Techniques -Inorder, Preorder, Postorder.	5	Primitive values, Wrapper classes, types and casting	Revision
15	Computational Complexity	Definition, Best, Worst, Average case complexity	6	Statements, Control Structures and Scope	Revision
			7	Functions/Methods	Revision
			8	Arrays, Strings	Revision
			9	Compiling Java Programs	Revision
			10	Classes-An OOP Perspective	Revision
			11	Recursion	Revision
			12	Concept of Inheritance	Revision
			13	Simple Data Structures	Revision
			14	Recursive Data Structure	Revision
			15	Computational Complexity	Revision
<b>UNIT TEST 2 SYLLABUS</b>			<b>REHEARSAL SYLLABUS</b>		
Appropriate portions from the topics taught in Unit II shall be covered			Theory – All Chapters (As per ISC Syllabus) Practical- Assignment File:-Total 25 Programs from Chapter6(Loops), Chapter 11(Recursion),Chapter 13(Data Structures) .		

**ST FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII SCIENCE**  
**ACADEMIC SESSION 2021-22**

**ECONOMICS**

**Prescribed Text Book : ISC**  
**Economics by Frank Brothers**

<b>UNIT I</b>			<b>UNIT II</b>		
<b>CH NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>	<b>CH NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>
1	Demand Analysis	The Concept of Demand: (i) Meaning (ii) Factors Affecting Demand & The Demand Function (iii) Law of Demand & Derivation of the Demand Schedule & Curve (Individual as well as market), (iv) Exceptions to the Law of Demand	12	Money & Banking.	Money: (i) Meaning, Kinds of Money, (ii) Functions of Money, (iii) Supply of Money (only meaning of M1, M2, M3 & M4); High Powered Money Banking: (i) Functions of Commercial Banks (ii) Credit Creation by Commercial Banks; Concept of Money Multiplier (iii) Central Banks: Functions & regulatory role through Quantitative & Qualitative Methods
2	Cardinal Utility Analysis, Ordinal Utility Analysis, Elasticity Of Demand	Cardinal Utility Analysis: (i) Meaning of Utility, Total Utility, Marginal Utility (ii) Relationship between TU & MU (iii) Law of Diminishing Marginal Utility (Schedule, diagram & assumptions) (iv) Consumers' Equilibrium: Law of Equi-Marginal Utility (Statement, Schedule & Conditions of Consumers' Equilibrium) ***Diagrams wherever necessary Ordinal Utility Analysis; (i) Indifference Curve Analysis (Meaning & Properties including MRS & DMRS) (ii) Indifference Map (iii) Consumers' Budget (iv) Consumers' Equilibrium Condition ***Diagrams wherever necessary. Elasticity of Demand : (i) Meaning & Types Of Elasticity (ii) Various Methods of Measurement of Elasticity (Point Method, Percentage Method, Geometric Method, with numerical only on Percentage Method) (iii) Cross & Income Elasticities (iv) Factors Affecting Elasticity of Demand ***Diagrams & Simple Numerical to be used wherever necessary	13	Determination Of Income & Employment	Ex-Ante & Ex-Post demand: (i) Concept Aggregate Demand Meaning & Components Consumption Function: (i) Meaning (ii) Average & Marginal Propensity to Consume Saving Function: (i) Meaning (ii) Average & Marginal Propensity to Save Relationship between APS & APC; MPS & MPC Employment: Meaning of Full Employment Equilibrium level of National Output: (i) Aggregate demand and supply approach (ii) Saving & Investment approach Investment: (i) Meaning (ii) Investment Multiplier: Meaning & Mechanism Problems of Excess Demand & Deficit Demand & Measures to correct them
<b>SYLLABUS UNIT TEST I</b>			<b>SYLLABUS UNIT TEST II</b>		



Appropriate portions from the topics taught in Unit I shall be covered			Appropriate portions from the topics taught in Unit II shall be covered		
<b>HALF YEARLY</b>			<b>REHEARSAL</b>		
7	Cost & Revenue Market, Morphology, Public Finance, Market Mechanism	Basic Concepts of Cost :(I) Private Cost (ii) Economic Cost (iii) Social Cost (iv) Money Cost (v) Real Cost (vi) Explicit & Implicit Cost Cost Concepts: (i) Fixed Cost, Variable Cost (ii) Total Cost, Marginal Cost, Average Cost (Schedule & Diagrams) (iii) Relationship between AC, MC, TC (Concepts of long- run & short-run cost Curves) (iv) Difference between Accounting & Opportunity Costs Revenue: (i) Total Revenue, Average Revenue, Marginal Revenue: Concepts & Relationships Producers' Equilibrium: (I) Meaning & Conditions (ii) TR & TC Approach (iii) MR & MC Approach ***Diagrams to be used	14	National Income	Circular flow of Income (ii) Concepts and definition of NY, GNP, GDP, NNP, private income, personal income, personal disposable income, National Disposable Income and per capita income; relationship between the income concepts. (iii) Methods of measuring National Income: product or value-added method; income method and expenditure method with simple numerical based on them
10	Market Mechanism	Equilibrium & Disequilibrium: (i) A Basic Understanding of the concept of Equilibrium, (ii) The effects of changes in Demand & Supply on equilibrium price and quantity price Control :(i) Basic Understanding, (ii) Rationing Price, (iii)Ceiling, (iv)Price Floor ***Diagrams to be used wherever necessary			
<b>SYLLABUS FOR HALF YEARLY</b>			<b>SYLLABUS FOR REHEARSAL</b>		
Portion taught for Unit Test and half yearly			Full ISC Syllabus		
<p><b>PROJECT WORK</b></p> <ol style="list-style-type: none"> <li>1. Study of public sector enterprises</li> <li>2. Automobile sector</li> <li>3. Contribution of different sectors</li> <li>4. CRR and SLR</li> </ol> <p>files to be submitted on 12th June 2021</p>					

**ST FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII SCIENCE**  
**ACADEMIC SESSION 2021-22**  
**MATHEMATICS**

**Prescribed Text Book : M. L. Agarwal and Saha and Saha**

<b>UNIT I</b>			<b>UNIT II</b>		
<b>CHAPTER NO.</b>	<b>TOPIC</b>	<b>CONTENTS</b>	<b>CHAPTER NO</b>	<b>TOPIC</b>	<b>CONTENTS</b>
2	Inverse trigonometric function	Inverse trigonometric function	8A	Indefinite Integration	By Substitution, Standard Methods, By Parts, Special Integrals
3	Matrices	Operations, Martin's Rule	10A	Probability ( I )	Conditional probability, independent events.
4	Determinants	Properties	1( Section B)	Vectors	Scalar or dot product, Cross Product, Scalar Triple Product
1A	Relations	Properties and Equivalence Relation	2A( Section B)	Straight Line in Space	Cartesian & Vector Equation in 3D, Coplanar & Skew Lines, Shortest Distance
1B	Functions	Real valued function and invertibility	2( Section C)	Regression Analysis	Line of best fit , angle between regression lines
1C	Binary Operations	Axioms and Properties	3 ( Section C)	Linear programming	Linear programming (Graphically)
5A	Continuity	Continuity of functions	10B	Probability ( II )	Baye's theorem, Mean, Variance of Random Variable
5B	Differentiability	Concept of differentiability	10C	Probability ( III )	Binomial Distribution
<b>SYLLABUS FOR UNIT TEST I</b>			8 B	Definite Integration	Definition and application of properties
Appropriate portions from the topics taught in Unit I shall be covered			7A	Increasing and decreasing Function (Revision)	Increasing and decreasing Function
5C	Differentiation	Derivatives of functions	7B	Equation of Tangent and Normal (Revision)	Equation of Tangent and Normal
5D	Differentiation (Higher Derivative)	Successive differentiation	8A	Indefinite Integration (Revision)	By Substitution, Standard Methods, By Parts, Special Integrals
6	Indeterminate Form of	L'Hospital's Rule	1 (( Section B)	Vectors (SEC-B) (Revision)	Scalar or dot product, Cross Product, Scalar Triple Product

	Limits				
7C	Rate Measurer	Rate Measurer	2 ( Section C)	Regression Analysis (SEC - C) (Revision)	Line of best fit , angle between regression lines
7D	Approximation	Approximation	7 E	Maxima and Minima problems	Application of derivative and practical
7A	Increasing and decreasing Function	Increasing and decreasing Function	9	Differential Equations	Formation and solving differential
7B	Equation of Tangent and Normal	Equation of Tangent and Normal	3	Area under the curve	Application of definite integration
5E	Mean Value Theorem	Rolle's theorem and Lagrange's Mean value theorem	<b>SYLLABUS FOR UNIT TEST II</b> Appropriate portions from the topics taught in Unit II shall be covered		
<b>SYLLABUS FOR HALF YEARLY</b>			<b>SYLLABUS FOR REHEARSAL</b>		
Chapter 1- 16 Project : as specified on the Council Website Project submission date : Ist draft :on or before 13 <sup>th</sup> August Final :on or before 30 <sup>th</sup> November			SYLLABUS FOR THE PREBOARD INCLUDES THE ENTIRE ISC SYLLABUS PRESCRIBED BY COUNCIL		

**ST FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII SCIENCE**  
**ACADEMIC SESSION 2021-22**  
**PHYSICAL EDUCATION**

**SECTION A**

1	<b>Sociological Aspects of Physical Education</b>	<ul style="list-style-type: none"> <li>(i) Games and sports as man's cultural heritage.</li> <li>(ii) Development of the individual through games and sports.</li> <li>(iii) Role of Physical Education in promoting national integration.</li> <li>(iv) Physical Education and personality development.</li> </ul>
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2	<b>Training Methods</b>	(a) Meaning and importance of Sports Training. (b) Methods of training. (a) Warming up, conditioning and cooling/limbering exercises. (b) Isometric and Isotonic exercises (c) Circuit Training. (d) Weight Training
3	<b>Career Aspects in Physical Education</b>	(i) Career options in Physical Education. (ii) Important institutions of Physical Education in India.

4	<b>Competitions and Tournaments</b>	(i) Tournaments and types of tournaments. (ii) Difference between Professional and Amateur Players.
5	<b>Health Education &amp; Health Problems</b>	(a) Meaning and definition of 'Health' and 'Health Education'. (b) Principles and importance of Health Education. Health problems and role of Health Education in solving them. (c) Disability and Rehabilitation (d) Posture. (e) Personal hygiene and sleep requirements. (f) Substance Abuse.
6	<b>Sports Injuries and First Aid</b>	(i) Sports related injuries. (ii) Role of a sportsperson in prevention of sports related accidents.. (iii) First Aid.
<b>SECTION B</b>		
	Any <b>two</b> of the following games are to be studied	Football, Hockey, Tennis, Basketball, Badminton, Athletics, Swimming, Volleyball, Cricket

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**SUPW**

	TOPIC		TOPIC
Unit 1	Each One Teach One	Unit II	Fabric Painting
Half Yearly	Mask Making	Annual	Laundry Work