

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2022-23**  
**ENGLISH LANGUAGE**  
**Total English ( Morning Star)**

UNIT I			UNIT II		
CH. NO.	NAME OF THE	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
Unit 1		A :Tenses and their use -I B: Composition- Introduction and Proposal Writing C : Preposition	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**

**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			REHEARSAL		
CH. NO.	NAME OF THE	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 6		A : Reported Speech - I B : Characterisation C : Preposition D :Specimen Paper 6	Unit 14		A: Transformation of Sentences - III B : Reflective Composition C : Preposition D: Specimen Paper 14

Unit 7  
A : Reported Speech - II  
B : Directed Writing - I  
C : Preposition  
D :Specimen Paper 7

Unit 8  
A : Agreement of the Verb with the Subject  
B : Directed Writing- II  
C : Preposition  
D :Specimen Paper 8

Unit 15  
A : Transformation- Miscellaneous  
Exercises  
B : Free choice composition  
C :Preposition

Unit 1-15 Revision

**SYLLABUS FOR HALF YEARLY**

**SYLLABUS FOR REHEARSAL**

Writing (Dated, undated), Personal Profile  
Review ( All types ), Speech, Article,  
Proposal Writing, Grammar ( Transformation  
of Sentences, Phrasal Verbs/ Prepositions,

Entire ISC syllabus

**PROJECT TOPIC** **Description of any Sports Events/ Review  
of any television show**

**PROJECT TOPICS** Description of a process/Description of a  
scientific experiment/ How to operate a  
device/ Recipiee of a dish

Project submission date : Ist project :on or before 13th August

Final :on or before 30th November

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**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
	<b>Echoes</b>			<b>Echoes</b>	
5	The Story of an Hour- Kate Chopin	The Story of an Hour- Kate Chopin			
7	A Gorilla in the Guest Room - Gerald Durrell	A Gorilla in the Guest Room - Gerald Durrell	10	B. Wordsworth – V.S. Naipaul	B. Wordsworth – V.S. Naipaul
			9	The Sound Machine- Roald Dahl	The Sound Machine- Roald Dahl
1	The Darkling Thrush - Thomas Hardy	The Darkling Thrush - Thomas Hardy			
				<b>Reverie</b>	
				We are the Music Makers – Arthur William Edgar	We are the Music Makers – Arthur William Edgar
			10	O’Shaughnessy	William Edgar O’Shaughnessy
			8	Dover Beach - Matthew Arnold	
	<b>The Tempest Act -I</b>	<b>The Tempest Act -IV</b>			
				<b>The Tempest</b>	
				<b>The Tempest Act - The Tempest Act -IV</b>	

**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

Echoes : The Story of an Hour , A Gorilla in the Guest Room  
 Echoes : B. Wordsworth, The Sound Machine, Gorilla and the Guest Room

**Reverie** : The Darkling Thrush, Desiderata  
**Reverie** : We are the Music Makers, Dover Beach, John Brown

**The Tempest** : Act IV (till the portion taught)  
**The Tempest** : Act V and Epilogue

HALF YEARLY			REHEARSAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
	<b>Echoes</b>			<b>Echoes</b>	
	The Singing Lesson - Katherine Mansfield	The Singing Lesson -Katherine Mansfield		<b>Echoes</b> : Revision	<b>Echoes</b> : Revision
	To Build a Fire - Jack London	To Build a Fire - Jack London		<b>Reverie</b> : Revision	<b>Reverie</b> : Revision
				<b>The Tempest</b> : Revision	<b>The Tempest</b> : Revision

**Reverie**

Birches - Robert Frost  
 Birches - Robert Frost

Crossing the Bar-

Alfred Lord

Crossing the Bar- Alfred Lord

Tennyson

Tennyson

**The Tempest**

Act 1 - Act V ( till the portion taught)

SYLLABUS FOR HALF YEARLY	SYLLABUS FOR REHEARSAL
<p><b>Echoes</b> : To Build a Fire, The Singing Lesson, The Story of an Hour, A Gorrila in the Guest Room</p> <p><b>Reverie</b> : The Darkling Thrush, Birches, Crossing the Bar, The Gift of India</p> <p><b>The Tempest</b> : Act I, II, III, IV</p> <p>Project Topic : heme analysis of The Darkling Thrush</p> <p>Project submission date : Ist draft :on or before 13th August            Final :on or before 30th November</p>	<p>Entire ISC Syllabus</p> <p>Project Topic : The theme analysis of Crossing the Bar</p>

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2022-23**  
**ACCOUNTS**

**Prescribed Text Book : Double Entry Bookkeeping by T.S.Grewal**

UNIT I			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Partnership Accounts	Fundamentals of Partnership (Provision of Partnership Act, Rules applicable in absence of Partnership Deed, Preparation of Profit and Loss Appropriation Account, Partners' Capital and Current Accounts, Guarantee of profit and Past adjustments)	4	Ratio Analysis	Calculation of Liquidity Ratios, Solvency Ratios, Activity Ratios and Profitability Ratios
2	Partnership Accounts	Valuation of Goodwill (Mode of valuation of Goodwill- Average Profit method, Super Profit Method and Capitalisation Method)	6	Partnership Accounts	Dissolution of Partnership Firm (Preparation of Realisation Account, Partner's Loan Account, Partner's Capital Account and Cash/Bank Account)
3	Partnership Accounts	Admission of a Partner (Calculation of New Profit Sharing ratio, Sacrificing ratio and gaining ratio, Accounting treatment of goodwill on admission of a partner, Preparation of Revaluation Account, Accounting treatment of accumulated profits and losses and Adjustment of capitals)	8	Joint Stock Company Accounts	Issue of Debentures (Issue of debentures at par, premium and discount, Issue of debentures for consideration other than cash, Issue of debentures as collateral security for a loan, Calculation of calls-in-arrears and calls-in-advance and interest thereon, Interest on debentures with TDS, Disclosure of debentures in the company's Balance Sheet, Writing off discount/loss on issue of debentures)

**SYLLABUS FOR UNIT TEST I**

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

**SYLLABUS FOR UNIT TEST II**

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

HALF YEARLY		REHEARSAL	
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO. NAME OF THE CHAPTER TOPICS

2	Financial Statement Analysis	Comparative and Common Size Statements (preparation of Comparative Income Statement, Comparative Balance Sheet, Common-size Income Statement and Common-size Balance Sheet)	9	Joint Stock Company Accounts	Redemption of Debentures (Creation of Debenture Redemption Reserve, Redemption of debentures out of- profits, capital, in lumpsum, draw of lots, Redemption of debentures by purchase in the open market)
4 & 5	Partnership Accounts	Retirement and Death of a Partner (Calculation of New Profit Sharing ratio, Sacrificing ratio and gaining ratio, Accounting treatment of goodwill, Preparation of Revaluation Account, Accounting treatment of accumulated profits and losses, Adjustment of capitals, Calculation of amount due to retiring partner, Preparation of retiring partner's Loan Account and deceased partner's Executor's Loan Account and Change in Profit sharing ratio)	10	Final Accounts of Companies- Application of Schedule III	Preparation of the Balance Sheet of a company (along with Notes to Accounts) as per Schedule III, Part I of the Companies Act, 2013.
7	Joint Stock Company Accounts	Issue of Shares (Issue of shares at par, premium and discount, Issue of shares for consideration other than cash, Calculation of calls-in-arrears and calls-in-advance, Oversubscription and Undersubscription of shares, Forfeiture and reissue of shares at par, premium and discount)	3	Cash Flow Statement	Preparation of Cash Flow Statement on basis of Operating, Investing and Financing Activities.

#### SYLLABUS FOR HALF YEARLY

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

#### SYLLABUS FOR REHEARSAL

All Chapters as per the ISC Syllabus

Project submission date : Ist Project :on or before 13th August, 2022 (Preparation of Common size and Comparative Income Statements and Balance Sheet of a company for 2 consecutive years/quarters)

2nd Project: on or before 30th November, 2022 ( Preparation of Cash Flow Statement of a company for 2 consecutive quarters/years)

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2022-23**  
**COMMERCE**

**Prescribed Text Book : ISC Commerce by C.B.GUPTA**

UNIT I			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Business Environment	Concept, Importance of business environment, Dimensions of business environment and SWOT Analysis	10	Staffing	Meaning, Steps and Importance of Staffing; Recruitment- Meaning and sources; Selection- Meaning and Procedure; Training and Development- Meaning, Types of training, difference between selection and recruitment
2	Capital-Fixed and Working	Meaning and Importance of finance, Features and Importance of Financial Planning, Factors affecting capital structures	11	Directing	Meaning, Importance; Supervision- Meaning, Functions, Span of Control; Motivation- Meaning and Maslow's theory; Leadership- Meaning and qualities of a good leader; Communication- Meaning, Objectives and Process, Barriers to communication and overcoming barriers to communication
3	Sources of Finance for a Joint Stock Company	Share capital, Loan capital, Loans from commercial banks and financial institutions and Short term sources of funds	12	Controlling	Meaning, Steps and Importance; Relationship between Planning and Controlling; Management by Exception
4	Banking	Online services, Online payments, Mobile banking and latest trends in banking	13	Coordination	Meaning, Coordination as an essence of management

**SYLLABUS FOR UNIT TEST I**

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

**SYLLABUS FOR UNIT TEST II**

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

HALF YEARLY			REHEARSAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
5	Management	Concept, Nature, Importance, Objectives and Characteristics of Management	14	Marketing	Meaning, Features, Objectives, Importance, Functions
6	Principles of Management	Meaning, Nature, Need of Principles of Management, Taylor's and Fayol's Principles of Management, Comparison between Taylor and Fayol's Principles	15	Marketing Mix	Meaning, Product Mix, Place Mix, Price Mix and Promotion Mix

8	Planning	Meaning, Features, Importance, Limitations, Steps in Planning process and Types of plans	16	Consumer Protection	Need, Rights of consumers, Methods of consumer protection and Consumer Protection Act, 2019
9	Organising	Meaning, Importance, Steps in Organising process, Structure of organisation, Meaning and Importance of Delegation of authority, Centralisation and Decentralisation-merits and demerits			

**SYLLABUS FOR HALF YEARLY**

**SYLLABUS FOR REHEARSAL**

Appropriate portions from the topics taught in Half Yearly shall be covered All Chapters as per the ISC Syllabus

Project submission date: 1st Project: on or before 13th August, 2022

(Select any business undertaking and study it in terms of ownership, capital and profitability)

2nd Project: on or before 30th November, 2022

(Visit a commercial bank and find out the procedure to open a savings account)

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2022-23**  
**MATHEMATICS**

**Prescribed Text Book : UNDERSTANDING ISC MATHEMATICS BY M.L. AGGARWAL**

UNIT I			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
		<b>SECTION A</b>			<b>SECTION A</b>
1	Inverse trigonometric function	Inverse trigonometric function	19	Probability ( II )	Mean, Variance of Random Variable
2	Matrices	Operations, Martin's Rule	20	Probability ( III )	Binomial Distribution
3	Determinants	Properties		Increasing and decreasing Function (Revision)	Increasing and decreasing Function
4	Relations	Properties and Equivalence Relation		Equation of Tangent and Normal (Revision)	Equation of Tangent and Normal
5	Functions	Real valued function and invertibility		Definite integration, Indefinite Integration (Revision)	properties and its application, by Substitution, Standard Methods, By Parts, Special Integrals
6	Binary Operations	Axioms and Properties		Vectors ( <b>SEC-B</b> ) (Revision)	Scalar or dot product, Cross Product, Scalar Triple Product
7		Continuity of functions		Regression Analysis ( <b>SEC - C</b> ) (Revision)	Line of best fit , angle between regression lines
8	Differentiability	Concept of differentiability			

**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			REHEARSAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
		<b>SECTION A</b>			<b>SECTION A</b>
9	Differentiation	Derivatives of functions			Application of derivative and practical problems
10	Differentiation (Higher Derivative)	Successive differentiation	21	Maxima and Minima	Formation and solving differential equation by different methods
11	Indeterminate Form of Limits	L'Hospital's Rule	22	Differential Equations	

12 Rate Measurer	Rate Measurer
13 Approximation	Approximation
14 Increasing and decreasing	Increasing and decreasing Function
15 Equation of Tangent and Normal	Equation of Tangent and Normal
16 Mean Value Theorem	Rolle's theorem and Lagrange's Mean value theorem
17 Indefinite Integration	By Substitution, Standard Methods, By Parts, Special Integrals
18 Probability ( I )	Conditional probability, independent events.

**SECTION B**

1 Vectors	Scalar or dot product, Cross Product, Scalar Triple Product
2 Straight Line in Space	Cartesian & Vector Equation in 3D, Coplanar & Skew Lines, Shortest Distance

**SECTION C**

1 Regression Analysis	Line of best fit , angle between regression lines
2 Linear programming	Linear programming (Graphically)

**SECTION B**

3 Area under the curve	Application of definite integration
4 The Plane	Cartesian & Vector Equation, Angle between two planes, Equation of

**SECTION C**

3 Application of derivative in Commerce and Economics	Cost and revenue function. Profit function, break even point
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**SYLLABUS FOR HALF YEARLY**

**SYLLABUS FOR REHEARSAL**

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

**INCLUDES THE ENTIRE ISC SYLLABUS  
PRESCRIBED BY COUNCIL. 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 XII COMMERCE**  
**ACADEMIC SESSION 2022-23**

**Economics**

**Prescribed Text Book : Frank ISC Economics by D.K.Sethi and U Andrews**

UNIT I		UNIT II			
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO. NAME OF THE CHAPTER TOPICS		
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

**SYLLABUS FOR UNIT TEST I**

Appropriate portions from the topics taught in Unit I shall be covered Chapter 1 and 2

**HALF YEARLY**

CH. NAME OF THE  
NO. CHAPTER

TOPICS

**SYLLABUS FOR UNIT TEST II**

Appropriate portions from the topics taught in Unit II shall be covered Chapters 12 & 13

**REHEARSAL**

CH. NAME OF THE  
NO. CHAPTER

TOPICS

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  
Equilibrium & Disequilibrium: (i) A Basic Understanding of the concept of Equilibrium, (ii) The effects of changes in Demand & Supply on equilibrium price and quantity

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

**SYLLABUS FOR HALF YEARLY**

Portion taught for Unit Test and half yearly

**SYLLABUS FOR REHEARSAL**

Full Isc Syllabus

**PROJECT WORK**

1. Study of public sector enterprises
2. Automobile sector
3. Contribution of different sectors
4. CRR and SLR

**Project submission date : both files to be submitted on or before 13th June, 2022**

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2022-23**  
**BUSINESS STUDIES**

**Prescribed Text Book : ISC Business Studies by C.B.GUPTA**

UNIT I			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Introduction to Human Resource Management	Meaning and Importance	11	Staff Promotion and Transfer	Meaning, Types and basis of promotion, Meaning and types of transfers
2	Job and Manpower Planning	Job Analysis, Job Description, Job Specification, Job Enlargement, Job Enrichment and Manpower planning	12	Staff Separation	Meaning and methods of staff separation
3	Staff Recruitment	Meaning, Characteristics and Sources of staff recruitment	13	Emerging Trends in Human Resources	New methods in HRM
4	Staff Selection	Meaning, Selection procedure, difference between selection and recruitment	14	Business Communication	Meaning, Importance, Elements, Methods, Barriers to communication, Overcoming
5	Staff Training	Meaning, Types and methods of training, Hindrances to training	15	Business Correspondence	Business letters and reports
			16	Current Trends in Business Communication	Email and Video conferencing

**SYLLABUS FOR UNIT TEST I**

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

**SYLLABUS FOR UNIT TEST II**

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

HALF YEARLY			REHEARSAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
6	Staff Morale	Meaning, Characteristics, Morale Productivity Matrix, Methods of raising morale	17	Various Business Entities	Meaning, Types of business organisations
7	Staff Motivation	Meaning, Characteristics, Importance, Maslow's Theory, Herzberg's Theory	18	Sources of Business Finance	Share capital, Loan capital, Loans from commercial banks and financial institutions and Short term sources of funds
8	Staff Remuneration	Meaning, Methods of wage payment, Staff benefits	19	Globalisation	Meaning, Nature, Advantages and Disadvantages of Globalisation
9	Staff Leadership	Meaning, Types of leadership, Blake & Mouton Managerial Grid	20	E-Business	Meaning, Nature, Importance
10	Staff Appraisal	Meaning, Importance, Methods of performance ap	21	Outsourcing	Concept, Parties involved, BPO, KPO and LPO

22 Business                      Meaning, Role of regulators and intermediaries  
Regulators and  
Intermediaries

**SYLLABUS FOR HALF YEARLY**

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

**SYLLABUS FOR REHEARSAL**

All Chapters as per the ISC Syllabus

Project submission date: 1st Project: on or before 13th August, 2022 (Study any two E-businesses in terms of nature, size, products, services and policies)  
2nd Project: on or before 30th November, 2022 (Analyse the recruitment process in any two companies of your choice)

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2022-23**  
**COMPUTER SCIENCE**

**Prescribed Text Book : ISC Computer Science with Java by Sumita Arora**

UNIT I			UNIT II		
CH.N O.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
1	Boolean Algebra	Propositional logic, Binary quantities, theorems,	12	Concept of Inheritance	Concept, Types of Inheritance, method overriding,
2	Computer Hardware	Logic Gates – AND, OR, NAND, NOR, XOR, XNOR Adders – half and full, Encoders, Decoders etc.	13	Simple Data Structures	Concept of linked list, types of linked list – singly, doubly linked list, Different types of queue.
3	Objects and Classes	Attributes, behaviour, Objects, Classes and their examples	14	Recursive Data Structures	Trees, terminologies, Types of Traversal Techniques -Inorder, Preorder, Postorder.
4	Java Revision Tour	Anatomy of java, fundamentals, Exceptions etc.	15	Computational Complexity	Definition, Best, Worst, Average case complexity
5	Primitive values, Datatypes	Basic concepts, Token, Variable, different datatypes, their behaviour, casting, precedence of operators etc.			
6	Statements, Control Structures and Scope	if, if – then - else, switch, loops, different types, their syntax, use and differences etc.			

**SYLLABUS FOR UNIT TEST I**

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

**SYLLABUS FOR UNIT TEST II**

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

HALF YEARLY			REHEARSAL		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
7	Functions /Methods	Functions, need, advantages, disadvantages, call by value, call by reference, Constructors, Formal/actual argument, Overloading, programs etc	1,2	Boolean Algebra, Computer Hardware	Revision
8	Arrays, Strings	1-D Arrays, 2-D Arrays, String concept, syntax and applications in computer programs etc.	3,4	Objects and classes, Java Revision Tour	Revision
9	Compiling and Running Java Programs	Writing, Compiling and executing Java Programs (In Blue Java) etc	5	Primitive values, Wrapper classes, types and casting	Revision
10	Classes-An OOP Perspective	OOP Concept, characteristics of OOP, features of OOP, Classes, JVM etc.	6	Statements, Control Structures and Scope	Revision
11	Recursion	Difference with Iteration, Merits, Demerits, Programs etc	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

#### SYLLABUS FOR HALF YEARLY

Theory - Chapters 1,2,3,4,5,6,7,8,9,10,11

Practical-Assignment File:-Total 15 Programs from Chapter6(Loops), Chapter7(Class-Function based Programs), Chapter8( 1D arrays, 2D arrays ) etc.

Project submission date : 1st draft :on or before 13th August  
Final :on or before 30th November

#### SYLLABUS FOR REHEARSAL

Theory – All Chapters (As per ISC Syllabus)

Practical-Assignment File:-Total 25 Programs from Chapter6(Loops), Chapter7 (Class-Function based Programs ),Chapter8( 1D arrays, 2D arrays and String Chapter 11(Recursion),Chapter 13(Data Structures) .

**ST. FRANCIS XAVIER SCHOOL**  
**SYLLABUS FOR CLASS XII COMMERCE**  
**ACADEMIC SESSION 2022-23**  
**BENGALI**

**Prescribed Text Book : Probandho O Gadhya Sankolan, Kabita Sankolan ,Koni**

UNIT I			UNIT II		
CH. NO.	NAME OF THE CHAPTER	TOPICS	CH. NO.	NAME OF THE CHAPTER	TOPICS
8	Lachmaner ma	Lachmaner ma	10	Na paharer parikkha	Na paharer parikkha
8	Rasta karur aker noi	Rasta karur aker noi	10	Nun	Nun
12	Koni	Koni	14	Koni	Koni
	Grammer	misspelt word..... proverbs join in one word etc.		Grammer	misspelt word..... proverbs join in one word etc.
	Project Topics -				
	1. Chattro jibon o swamajseba(COMPOSITION)				
	2 Taser ghar.. (Prose) by..Tarasankar Bondopadhyay				
	3 Swadhinata Tumi(Poem) by.. Samsur Rahman				
	Date of submission.....28th July,2022				

**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**

**REHEARSAL**

CH. NO.	NAME OF THE CHAPTER	TOPICS	CH.NO.	NAME OF THE CHAPTER	TOPICS
9	Ekti tulsi gacher kahini	Ekti tulsi gacher kahini			PROSE....Whole book..10 stories to be studied
7	Aadab	Aadab			POETRY ..Whole book..10 poems to be
9	Swadhinata Tumi	Swadhinata Tumi			KONI.....Whole book ..14 chapters to be
7	Jodi nirbasan dao	Jodi nirbasan dao			Transformation of sentences,punctuation
13	Koni+unit..1 syllabus	Koni+unit..1 syllabus			
	Grammar & Composition	Essay writing, comprehension, punctuation marks Synonyms,homonyms,proverbs voice change, narration change etc.			

**SYLLABUS FOR HALF YEARLY**

**SYLLABUS FOR REHEARSAL**

Unit I + as mentioned above

Whole book