

## ST.XAVIER'S SCHOOL, RAIGANJ

CLASS XII (science) SYLLABUS FOR 1<sup>ST</sup> SEMESTER 2020 – 21

PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS	COMPUTER	LITERATURE
Electrostatics	Solid State	CHAPTERS: 01 TO 11	Inverse Function	Boolean Algebra	The Tempest (Act 4,5)
Current Electricity	Solutions		Determinants	Computer Hardware	Echoes: To build a fire The story of an hour The Singing lesson The sound machine B. Wordsworth
Magnetic Effect of Current	General Principles and Processes of Isolation of Elements.		Inverse Trigonometric Functions	Objects and Classes	
Magnetism	Electrochemistry		Differentiation	Java Revision Tour	
E.M. Induction	Coordination Compounds		Mean Value Theorem	Primitive Values, Types and Expressions.	
Alternating Currents (AC)	Haloalkanes and Haloarenes		Indeterminate Forms of Limits.	Statements, Control Structure and Scope	Reverie: The Darkling Thrush Birches Crossing the bar Dover Beach We are the music makers.
Electromagnetic Wave	Alcohols, Phenols and Ethers		Maxima and Minima	Functions/ Methods	
			Integration	Arrays and Strings.	
			Standard Methods of Integration		
			Special Integrals		
			Definit Integrals		

## ST.XAVIER'S SCHOOL, RAIGANJ

CLASS XII (Commerce) SYLLABUS FOR 1<sup>ST</sup> SEMESTER 2020 – 21

ECONOMICS	ACCOUNTS	COMMERCE	LITERATURE	LANGUAGES
Demand and Law of Demand	Partnership Accounts – Fundamentals.	Business Environment	The Tempest (Act 4,5)	BENGALI AND HINDI TO BE ADDED LATER
Theory of Consumer Behaviour: Marginal Utility and Indifference curve Analysis	Partnership Accounts – Admission of a Partner.	Financing: Capital & Financial Planning.	Echoes: To build a fire The story of an hour The Singing lesson The sound machine B. Wordsworth	
Elasticity of Demand	Partnership Accounts – Retirement of a Partner.	Sources of Finance for a Joint Stock Company.	Reverie: The Darkling Thrush Birches Crossing the bar Dover Beach We are the music makers.	
Supply and Law of Supply + Price Elasticity of Supply	Partnership Accounts – Death of a Partner.	Management: Nature, Meaning and Importance.		
Theory of Income and Employment	Partnership Accounts – Dissolution of Firm.	Principles & Functions of Management.		
Money: Meaning and Functions.	Accounting Ratio	Planning.		
Banks: Commercial + Central Banks.		Organizing.		
Balance of Payments and Exchange Rate		Commerce Project (In two separate files)		
Fiscal Policy		1) Procedure to open a Savings account and agency and general utility services of a commercial Bank		
National Income and Circular flow of Income.		2) Five cases filed by consumers in the consumer court. ** Issues:		
Project Work: Choose any two projects from Page 404 to 432		Mechanism used: Outcome		

CLASS XII (HUMANITIES) SYLLABUS FOR 1<sup>ST</sup> SEMESTER 2020 – 21

ECONOMICS	GEOGRAPHY	LITERATURE	POLITICALSCIENCE
Demand and Law of Demand	Chapters 01 to 11	The Tempest (Act 4,5)	SECTION – A
Theory of Consumer Behaviour: Marginal Utility and Indifference curve Analysis		Echoes: To build a fire The story of an hour The Singing lesson The sound machine B. Wordsworth	Constitution and Government Ch- 1 Forms of Government Ch -2 Forms of Government Ch -3 Forms of Government Ch – 4 Constitution
Elasticity of Demand		Reverie:	SECTION – B
Supply and Law of Supply + Price Elasticity of Supply		The Darkling Thrush Birches	INDIAN DEMOCRACY CH – 9 Indian Constitution
Theory of Income and Employment		Crossing the bar Dover Beach	Ch – 10 Fundamental Rights Ch – 11 Directive Principles of State Policy
Money: Meaning and Functions.		We are the music makers.	Ch – 12 Local Self Government Ch – 13 Democracy in India
Banks: Commercial + Central Banks.			
Balance of Payments and Exchange Rate			
Fiscal Policy			
National Income and Circular flow of Income.			
Project Work: Choose any two projects from Page 404 to 432			

## ST.XAVIER'S SCHOOL, RAIGANJ

CLASS X (SCIENCE) SYLLABUS FOR 1<sup>ST</sup> SEMESTER 2020 – 21

PHYSICS	CHEMISTRY	MATHEMATICS	COMPUTER	GEOGRAPHY	ENG – LANGUAGE
FORCE	PERIODIC TABLE- PERIODIC PROPERTIES & VARIATION OF PROPERTIES	CHAPTERS- 04 TO 12 AND CH- 15, CH- 20, CH -21, CH- 22	OBJECT ORIENTED PROGRAMMING CONCEPTS.	CHAPTERS: 7 TO 18	COMPOSITION Composing Essay on topics of – Describe an event, narrate a story or experience, Persuade or argue a certain topic, Present relevant topic etc.
WORK,POWER,ENERGY	CHEMICAL BONDING		INTRODUCTION TO CLASS	<b>HISTORY</b>	
SIMPLE MACHINE	A: ACIDS ,BASES & SALTS		FUNCTIONS	CHAPTERS: 01 TO 09.	
LIGHT(REFRACTION, DISPERSION)	B: ANALYTICAL CHEMISTRY, USE OF AMMONIUM AND SODIUM HYDROXIDE		CONSTRUCTORS	<b>CIVICS</b>	Write letter either on Formal or Informal
LENS		<b>BIOLOGY</b> CHAPTERS: 02 TO 12	CLASS AS USER DEFINED TYPE.	CHAPTERS: 01 TO 03	Write Notice and E Mail.
SOUND	MOLE CONCEPT AND STOICHIOMETRY		DECISION MAKING ITERATIONS		Comprehension Word meaning, Question Answer and a Precis (in 50 words) from a given paragraph
			ARRAYS		Grammar skill Appropriate Forms of Verb Prepositions Joining( with and but or so) Do as directed(all types of grammar VIZ transformation of sentences)
					Prose: 1. The Little match girl 2. Blue bead
					Poems:1. I Know why the caged bird sing. 2. The Patriot.
					Merchant of Venice- Act 3, Scene 2 – 5 & Act - 4

## ST.XAVIER'S SCHOOL, RAIGANJ

CLASS X (COMMERCE) SYLLABUS FOR 1<sup>ST</sup> SEMESTER 2020 – 21

MATHEMATICS	COMPUTER	GEOGRAPHY	COMMERCE	ENG – LANGUAGE
CHAPTERS- 04 TO 12 AND CH- 15, CH- 20, CH -21, CH- 22	OBJECT ORIENTED PROGRAMMING CONCEPTS.	CHAPTERS: 7 TO 18	CHAPTERS: 01 TO 06 AND CH- 9	COMPOSITION Composing Essay on topics of – Describe an event, narrate a story or experience, Persuade or argue a certain topic, Present relevant topic etc.
	INTRODUCTION TO CLASS	<b>HISTORY</b>	SUGGESTED PROJECTS: 1) Advertising: its role in sale of Products and job opportunity. 2) Marketing: Local, National, International marketing and their growth in meeting the needs of common man.	
	FUNCTIONS	CHAPTERS: 01 TO 09.	3) Banking: commercial Banks + R B I and their functions.	Write letter either on Formal or Informal
	CONSTRUCTORS	<b>CIVICS</b>	4) How to open a Bank account (Produce materials used in Banking like, Pay in slip, withdrawal slip cheque etc.	Write Notice and E Mail.
	CLASS AS USER DEFINED TYPE.	CHAPTERS: 01 TO 03	5) Brief uses / advantages of online Business.	Comprehension Word meaning, Question Answer and a Precis (in 50 words) from a given paragraph
	DECISION MAKING		6) Digital payment (advantages, disadvantages and its future)	Grammar skill Appropriate Forms of Verb Prepositions Joining( with and but or so) Do as directed(all types of grammar VIZ transformation of sentences)
	ITERATIONS			<b>LITERATURE</b>
	ARRAYS			Prose: 1. The Little match girl 2. Blue bead
				Poems:1. I Know why the caged bird sing. 2. The Patriot.
				Merchant of Venice- Act 3, Scene 2 – 5 & Act - 4
			<b>Bengali &amp; Hindi to be added later</b>	

ST.XAVIER'S SCHOOL, RAIGANJ CLASS IX (SCIENCE) SYLLABUS FOR 1<sup>ST</sup> SEMESTER 2020 – 21

PHYSICS	CHEMISTRY	Eng - Language	MATHEMATICS	COMPUTER	GEOGRAPHY
MOTION IN ONE DIMENSION	THE LANGUAGE OF CHEMISTRY	Composition 1. Composing Essay on The topics of – Describe an event,	COMPOUND INTEREST (USING FORMULA)	INTRODUCTION TO OBJECT ORIENTED PROGRAMMING CONCEPTS	CHAPTERS- 1,2,3,4,5,6
LAWS OF MOTION	CHEMICAL CHANGES AND REACTIONS	Narrate a story or Experience, Persuade or argue a certain topic, Present relevant topics, etc.	EXPANSION, FACTORISATION	INTRODUCTION TO JAVA	<b>HISTORY</b>
GRAVITATION	WATER		SIMULTANEOUS (LINEAR) EQUATIONS (INCLUDING WORD PROBLEMS)	ELEMENTRY CONCEPTS OF OBJECTS AND CLASSES	CHAPTERS- 1,2,3,4,5
FLUIDS(UPTHRUST, ARCHIMEDES PRINCIPLE,R.D, PROBLEM	ATOMIC STRUCTURE AND CHEMICAL BONDING	Write letters either on Formal or Informal Write Notice.	INDICES ISOSCLES TRIANGLES PYTHAGORAS THEOREM	VALUES AND DATA TYPES	<b>CIVICS</b>
HEAT & ENERGY (ANOMALOUS EXPANSION CHAPTER, ENERGY SOURCES, GLOBAL WARMING)		Comprehension Word Meaning, Questions Answers and a Precis (in 50 words)from a given paragraph.	TRIGNOMETRIC RATIO, TRIGNOMETRICAL RATIOS OF STANDARD ANGLES	OPERATORS IN JAVA	CHAPTERS-1,2
<b>LITERATURE:</b>	<b>BIOLOGY</b>	Grammar Skill Appropriate Form of Verb.	AREA AND PERIMETER OF PLANE FIGURES.	CONDITIONAL CONSTRUCTS IN JAVA	
Prose:- 1. Chief Seattle's Speech 2. Old Man at the Bridge	CHAPTERS: 01 TO 12	Preposition Joining ((without, and but or so) Do as directed(all types of grammar VIZ transformation of sentences)		ITERATIVE CONSTRUCTS IN JAVA (FOR,WHILE AND DO-WHILE)	
Poems:- The heart of the tree.					
The cold within					
Merchant of Venice – Act 1 (full)					

ST.XAVIER'S SCHOOL, RAIGANJ

CLASS IX (COMMERCE) SYLLABUS FOR 1<sup>ST</sup> SEMESTER 2020 – 21

ECONOMICS	MATHEMATICS	COMPUTER	GEOGRAPHY	Eng - Language
CH-1- MEANING AND DEFINITION OF ECONOMICS	COMPOUND INTEREST (USING FORMULA)	INTRODUCTION TO OBJECT ORIENTED PROGRAMMING CONCEPTS	CHAPTERS-1,2,3,4,5,6	Composition 1. Composing Essay on The topics of – Describe an event, Narrate a story or Experience, Persuade or argue a certain topic, Present relevant topics, etc.
	EXPANSION, FACTORISATION		History CHAPTERS-1,2,3,4,5	
CH-2- BRANCHES OF ECONOMICS & TYPES OF ACTIVITIES	SIMULTANEOUS (LINEAR) EQUATIONS (INCLUDING WORD PROBLEMS)	INTRODUCTION TO JAVA	CIVICS Chapters – 1, 2	Write letters either on Formal or Informal Write Notice.
CH-3- AN ECONOMY - ITS SECTOR,BASIC CONCEPTS & ENTITIES	INDICES ISOSCLES TRIANGLES PYTHAGORAS THEOREM	ELEMENTRY CONCEPTS OF OBJECTS AND CLASSES	<b>LITERATURE:</b>	Comprehension Word Meaning, Questions Answers and a Precis (in 50 words)from a given paragraph.
CH-4-TYPES OF ECONOMIES	TRIGNOMETRIC RATIO, TRIGNOMETRICAL RATIOS OF STANDARD ANGLES	VALUES AND DATA TYPES	Prose:- 1. Chief Seattle's Speech 2. Old Man at the Bridge	
CH-5-BASIC PROBLEMS OF AN ECO NOMY	AREA AND PERIMETER OF PLANE FIGURES.	OPERATORS IN JAVA	Poems:- The heart of the tree. The cold within	Grammar Skill Appropriate Form of Verb. Preposition Joining ((without, and but or so)
	COMPOUND INTEREST (USING FORMULA)	CONDITIONAL CONSTRUCTS IN JAVA		
<b>COMMERCE</b> Chapters 1, 4 5 10 Journal Entries	EXPANSION, FACTORISATION	ITERATIVE CONSTRUCTS IN JAVA (FOR,WHILE AND DO-WHILE)	Merchant of Venice – Act 1 (full)	Do as directed(all types of grammar VIZ transformation of sentences)
	SIMULTANEOUS (LINEAR) EQUATIONS (INCLUDING WORD PROBLEMS)			
	INDICES, ISOSCLES TRIANGLES PYTHAGORAS THEOREM			

