

ENGLISH LANGUAGE
CLASS IX
SYLLABUS 2017-2018

UNIT I

HALF YEARLY

Prescribed Text:		Art of Effective Writing	Prescribed Text:		Art of Effective Writing
SL NO.	TOPIC	CONTENTS	SL NO.	TOPIC	CONTENTS
1	Comprehension	Unseen	1	Composition	Narrative
2	Letter Writing	Formal			Descriptive
3	Grammar	Tenses			Argumentative
		Prepositions	2	Letter Writing	Formal
		Transformation of Sentences			Informal
		Aural Comprehension and Oral Skills	3	Comprehension	Unseen
		English Language Assessment test	4	Grammar	Tenses
					Prepositions
					Joining of sentences
					Transformation of sentences
				Project Assignment	English oral skill
					Aural Comprehension

UNIT II

ANNUAL

Prescribed Text:		Art of Effective Writing	Prescribed Text:		Art of Effective Writing
SL NO.	TOPIC	CONTENTS	SL NO.	TOPIC	CONTENTS
1	Comprehension	Unseen	1	Composition	Argumentative
2	Letter Writing	Informal			Picture composition
3	Grammar	Joining of sentences			Story writing
		Transformation of sentences	2	Letter Writing	Formal
					Informal
			3	Comprehension	Unseen
			4	Grammar	Tenses
					Prepositions
					Joining of sentences
					Transformation of sentences

ENGLISH LITERATURE

CLASS IX

SYLLABUS 2017-2018

UNIT I

Prescribed Text: TREASURE TROVE

- Name of the Chapter
1. Daffodils
2. The Little Match Girl

Prescribed Text: The Merchant of Venice

- Act I : Scene I
Scene II

UNIT II

Prescribed Text: TREASURE TROVE

- Name of the Chapter
1. The Patriot
2. The Old Man at the Bridge

Prescribed Text: The Merchant of Venice

- Chapter No. Act II :Scene VI
Scene VII
Scene VIII

HALF YEARLY

Prescribed Text: TREASURE TROVE

- Name of the Chapter
1. Bangle Sellers
2. Television
3. A Horse and Two Goats
4. My Greatest Olympic Prize

Prescribed Text: The Merchant of Venice

- Act I: Scene III
Act II: Scene I
Scene II
Scene III
Scene IV
Scene V

Project Elements of a fairy tale in ‘The Little Match Girl’

ANNUAL

Prescribed Text: TREASURE TROVE

- Name of the Chapter
1. Abu Ben Adheim
2. Heart of a Tree
3. A Face in the Dark
4. All Summer in a Day

Prescribed Text: The Merchant of Venice

- Chapter No. Act II : Scene IX
Act III: Scene I
Scene II
Scene III
Scene IV
Scene V

Project Assignment- With close reference to
‘The Merchant of Venice’ Act II Scene II, explain about
Shakespeare’s skill in inserting comic
relief scenes at the right time.

**HINDI 2ND LANGUAGE
CLASS IX
SYLLABUS 2017-2018**

UNIT I

HALF YEARLY

Prescribed Text:	SAHITYA SAGAR (POEM)	Activity	Prescribed Text:	SAHITYA SAGAR (POEM)	Activity
	Name of the Chapter			Name of the Chapter	
	SAAKHI-KABIR DAS	Word Meaning		SWARGA BANA SAKTE HAIN	Word Meaning
	SWARGA BANA SAKTE HAIN	Explanation		KAVI- RAMDHARI SINGH DINKAR	Explanation
	KAVI- RAMDHARI SINGH DINKAR	Reference to Context		BHIKSHUK	Reference to Context
	GIRIDHAR KI KUNDALIYAN			KAVI-SURYA KANT TRIPATHI	
	KAVI-GIRIDHAR KAVIRAY			MEGH AAYE	
	MEGH AAYE			KAVI-SARVESHWAR DAYAL SAXENA	
	KAVI-SARVESHWAR DAYAL SAXENA			SOOR KE PADH	
				KAVI-SOOR DAS	
Prescribed Text:	EKANKI SANCHAY	Activity	Prescribed Text:	EKANKI SANCHAY	Activity
	Name of the Chapter			Name of the Chapter	
	SANSKAR AUR BHAVNA	Word Meaning		SANSKAR AUR BHAVNA	Word Meaning
	LEKHAK-VISHNU PRABHAKAR	Explanation		LEKHAK-VISHNU PRABHAKAR	Explanation
	BAHU KI VIDA	Reference to Context		BAHU KI VIDA	Reference to Context
	LEKHAK-VINOD RASTOGI			LEKHAK-VINOD RASTOGI	
	VYAKARAN HINDI RACHNA			VYAKARAN HINDI RACHNA	
	Name of the Chapter			SANGYA SE VISHESHAN	
	NIBANDH LEKHAN			BHAVVACHAK SANGYA	
	PATRA LEKHAN			PARYAYVACHI	
	SANGYA SE VISHESHAN			VILOM	
	BHAVVACHAK SANGYA			MUHAVRE	
	PARYAYVACHI			LING PARIVARTAN	
	VILOM SHABD			VACHAN PARIVARTAN	
	SHABDA SAMOOH KE LIYE EK SHABD			SHABDA SAMOOH KE LIYE EK SHABD	
				RACHNA	
				NIBANDH LEKHAN	
				PATRA LEKHAN	
				APATHIT GADYANSH	
			PROJECT	MATRA BHOOMI KA MAAN- HARIKRISHNA "PREMI"	
				VEERSINGH KA CHARITRA	
				NIBANDH	
				CHITRA ADHYAN	
				All including Unit 1 Syllabus	

**HINDI 2ND LANGUAGE
CLASS IX
SYLLABUS 2017-2018**

UNIT 2

ANNUAL

Prescribed Text:	SAHITYA SAGAR (POEM)	Activity	Prescribed Text:	SAHITYA SAGAR (POEM)	Activity
	Name of the Chapter			Name of the Chapter	
	SAAKHI-KABIR DAS	Word Meaning		SOOR KE PADH	Word Meaning
	SWARGA BANA SAKTE HAIN	Explanation		TULSIDAS KE PADH	Explanation
	KAVI- RAMDHARI SINGH DINKAR	Reference to Context		KAVI-TULSIDAS	Reference to Context
				BHIKSHUK	
				KAVI-SURYA KANT TRIPATHI	
Prescribed Text:	EKANKI SANCHAY	Activity	Prescribed Text:	EKANKI SANCHAY	Activity
	Name of the Chapter			Name of the Chapter	
	SANSKAR AUR BHAVNA	Word Meaning		BAHU KI VIDA	Word Meaning
	LEKHAK-VISHNU PRABHAKAR	Explanation		MATRA BHOOMI KA MAAN-	Explanation
	BAHU KI VIDA	Reference to Context		HARIKRISHNA "PREMI"	Reference to Context
	LEKHAK-VINOD RASTOGI				
	VYAKARAN HINDI RACHNA			VYAKARAN HINDI RACHNA	
	Name of the Chapter			Name of the Chapter	
	PATRA LEKHAN			DO AS UNIT 1, HALF YEARLY, AND ANNUAL	
	VAKYA PARIVARTAN				
	PARYAYVACHI	PROJECT		Samachar Patron ke Madhyam se	
	VILOM				
	ANEK SHABDO KE LIYE EK SHABD				
	MUHAVRE				
	Including Unit 1 and Half Yearly				

BENGALI 2ND LANGUAGE

CLASS IX

SYLLABUS 2017-2018

UNIT I

HALF YEARLY

Prescribed Text:	Sankolita (Short Stories)	Activity	Prescribed Text:	Sankolita (Short Stories)	Activity
Page No	Name of the Chapters	Reference to Context	Page No	Name of the Chapters	Reference to Context
10	Lalu	Word Meaning	5	Ginni	Word Meaning
16	Bama	Word Notes	24	Canvasar	Word Notes
		Short Notes			Short Notes
		Short Questions			Short Questions

Prescribed Text:	Sankolita (Poems)	Activity	Prescribed Text:	Sankolita (Poems)	Activity
Page No.	Name of the Chapters	Reference to Context	Page No.	Name of the Chapters	Reference to Context
79.	Bangobhumir Prati	Word Meaning	83	Kulimajur	Word Meaning
81	Sabhayatar Prati	Word Notes	85	Abar Asibo Phire	Word Notes
		Short Notes			Short Notes
		Short Questions			Short Questions

Prescribed Text:	Rachana Darsha (Grammar)	Prescribed Text:	Rachana Darsha (Grammar)
	Name of the Chapters		Name of the Chapters
	Transformation of Sentences		Essay Writing
	Correct Words		Letter Writing
			Comprehension
			One Word
			Expression
			Sadhu To Chalit

Syllabus for Half Yearly
All Chapters of Unit I + Half Yearly

UNIT 2

ANNUAL

Prescribed Text:	Sankolita (Short Stories)	Activity	Prescribed Text:	Sankolita (Short Stories)	Activity
Page No	Name of the Chapters	Reference to Context	Page No	Name of the Chapters	Reference to Context
28	Naam	Word Meaning	39	Debotar Janmo	Word Meaning
33	Asohojogi	Word Notes	48	Nil manusher Kahini	Word Notes
		Short Notes			Short Notes
		Short Questions			Short Questions

Prescribed Text:	Sankolita (Poems)	Activity	Prescribed Text:	Sankolita (Poems)	Activity
Page No.	Name of the Chapters	Reference to Context	Page No.	Name of the Chapters	Reference to Context
86	Sinri	Word Meaning	90	Phul Phutuk na Phutuk	Word Meaning
88	Rabindranather Prati	Word Notes	92	Amal Kanti	Word Notes
		Short Notes			Short Notes
		Short Questions			Short Questions

Prescribed Text:	Rachana Darsha (Grammar)	Prescribed Text:	Rachana Darsha (Grammar)
	Name of the Chapters		Name of the Chapters
	One Word		Essay, Letter
	Samarthak Shabdo		Comprehension
			One Word Expression
			Proverbs
			Correct Incorrect

Syllabus for Annual
All Chapters of Unit II + Annual

MATHEMATICS
CLASS IX
SYLLABUS 2017-2018

UNIT I

HALF YEARLY

Prescribed Text: ICSE Foundation Mathematics			Prescribed Text: ICSE Foundation Mathematics		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
2	Compound Interest	Application of Formula Word problem	9	Mid- point Theorem	Mid- point Theorem Intercept Theorem
3	Expansions	Special products All Formulae Algebraic Identities	5	Simultaneous Linear Equation	Equation Solutions Rules for solving linear equation Simultaneous Linear Equations
1	Irrational Numbers	Rational & Irrational Numbers Surds and rationalization of surds Non repeating , non terminating decimals			Linear equation with two variables Graphical solution of linear equation
8	Triangles	Relation Between angles Congruency of triangle Isosceles triangle Inequalities	13	Chord Properties of Circle	Chord Property
			14	Arc Properties of Circle	Angle Property
			10	Pythagoras Theorem	Pythagoras Relations Application in word problem
			15	Frequency Distribution data	Frequency Distribution Types of data Cumulative Frequency
4	Factorization	Factorization by taking common factor Factorization by grouping Factorization of trinomial	17	Area of Plane Figures	Perimeter Area of triangle Area of quadrilateral Circumference and area
6	Indices	Fractional Indices Laws of Indices	20	Trigonometrical Ratios	Trigonometrical ratios of the triangles Complementary angle Standard Angles
			7	Logarithms	Logarithm Laws of logarithms
	UNIT TEST – I	6 chapters		HALF YEARLY:	15 Chapters
					Project – 1 : Study ways of raising loan to buy a car or House

UNIT II

ANNUAL

Prescribed Text: ICSE Foundation Mathematics			Prescribed Text: ICSE Foundation Mathematics		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
11	Quadrilaterals	Types of Quadrilaterals Results on Parallelogram Some Results on Rectangle, Rhombus, Square	21	Co-ordinate Geometry	Co-ordinate Axes Convention of signs Graph of $y = mx + c$
12	Areas of Parallelogram	Fundamental Concepts Area Axioms	19	Surface area and Volume	Plane Figures Cuboids Volume of Cubes
16	Mean and Median	Arithmetic mean Median Median of discrete series		Project – 2 : Statistical Analysis of Height & Weight of Class – IX students (boys and girls)	
	UNIT TEST – II:	3 chapters + Indices + Logarithm		All The Chapters of the book	

PHYSICS
CLASS IX
SYLLABUS 2017-2018

UNIT I

HALF YEARLY

Prescribed Text: Concise Physics		Prescribed Text: Concise Physics	
Ch No.	Name of the Chapter	Ch No.	Name of the Chapter
2	Motion in one Dimension	4	Pressure in Fluids and Atmospheric Pressure
3	Laws of Motion	5	Up thrust in Fluids Archimedes' Principle
1	Measurement and Experimentation	6	Heat and Energy
		7	Reflection of Light
			PRACTICAL
			HALF YEARLY: 7 Chapters

UNIT II

ANNUAL

Prescribed Text: Concise Physics		Prescribed Text: Concise Physics	
Ch No.	Name of the Chapter	Ch No.	Name of the Chapter
8	Propagation of Sound wave	9	Current Electricity
		10	Magnetism
			PRACTICAL
			Annual Exam

CHEMISTRY
CLASS IX
SYLLABUS 2017-2018

UNIT I

HALF YEARLY

Prescribed Text:		CONCISE CHEMISTRY SELINA		Prescribed Text:		CONCISE CHEMISTRY SELINA	
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter
1	Matter and its composition	Main postulates of kinetic theory Law of conservation of mass	2	Study of gas laws	Behavior of gases Boyle's law Charles law Gas laws Sums based on gas laws		
4	The language of chemistry	Symbol Valency Radicals Chemical equation	3	Elements, compounds and mixtures	General characteristics of elements, compounds and mixtures Types of mixtures Separation techniques		
			10	Atmospheric pollution	Types of pollution Ways of reducing pollution Water treatment Ozone Green house effect Consequences of pollution		
Half yearly chapters 1,2,3,4,10 Project based on practical work and submission of lab manual.							

UNIT II

ANNUAL

Prescribed Text:		CONCISE CHEMISTRY SELINA		Prescribed Text:		CONCISE CHEMISTRY SELINA	
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter
5	Physical and chemical changes	Definitions Conditions for chemical change Types of chemical change Energy changes	7	Atomic structure	Structure of an atom Mass number Atomic number Isotopes Octet rule Duplet rule		
6	Water	Water as a compound Physical and chemical properties	8	The periodic table	Doberneir's triads Newlands's law of octaves Mendeleev's contribution Modern periodic table		
11	Practical chemistry	Observation and reactions	9	Hydrogen	Physical and Chemical properties Preparation		
Final chapters 1,2,3,4,5,6 ,7,8& 9 Project based on practical work and submission of lab manual.							

BIOLOGY
CLASS IX
SYLLABUS 2017-2018

UNIT I

Prescribed Text:		CONCISE BIOLOGY ICSE- 9
Ch No.	Name of the Chapter	Topic
1	Introduction to Biology	Importance of biology
2	The Cell	Cell Structure, Cell theory Cell organelle Prokaryotic and Eukaryotic cell
3	The tissues	Plant Tissue – Simple and Complex Tissue Animal Tissue- Epithelial, Connective, Muscular & Nervous
	Unit Test 1,2,3	

HALF YEARLY

Prescribed Text:		CONCISE BIOLOGY ICSE- 9
Ch No.	Name of the Chapter	Topic
4	The flower	Description of floral parts Placentation Inflorescence
5	Pollination and Fertilization	Self and Cross Pollination Fertilization
6	Seed	Structure Types of seed Germination
7	Respiration in Plants	Types of respiration Mechanism of respiration
14	The Respiratory System	Need for respiration Two kinds of respiration Parts of Respiration Respiratory organs Respiratory cycle Capacities of the lungs Inspired air vs. expired air Hypoxia and asphyxiation Some experiments on breathing
8	Five kingdom classification	Plant classification and drawbacks Invertebrates Vertebrates
	Practical- As per ICSE syllabus H.Y Chapters 1,2, 3, 4,5 ,6.7.,8,9,14	

UNIT II

Prescribed Text:		CONCISE BIOLOGY ICSE- 9
Ch No.	Name of the Chapter	Topic
9	Economic Importance of Bacteria and Fungi	Role of bacteria in agriculture and industry Spoilage of food by bacteria Preservation of food Fungi – useful and harmful fungi Fungi- Role in Industry

ANNUAL

Prescribed Text:		CONCISE BIOLOGY ICSE- 9
Ch No.	Name of the Chapter	Topic
10	Nutrition	Food Malnutrition and Deficiency Disease
11	Digestive System	Steps of digestion Teeth
13	Skin	Structure of skin Functions of skin

BIOLOGY
CLASS IX
SYLLABUS 2017-2018

12 Movement and Locomotion	Functions of Human skeleton Bone Joints and Muscles	16 Disease	Derivatives of the skin Skin and heat regulation of the body Categories of disease Disease caused by bacteria, protozoa and parasitic worms Viral diseases
UNIT II -Chapter - 9 and 12		15 Hygiene	Personal hygiene and social hygiene Mosquito and housefly Contamination of water and water borne disease
		17 Aids to health	Vaccination and immunisation Antibiotics,disinfectant,antiseptic
		19 Waste Generation and Management	Source and disposal of waste Waste prevention and Management
		18 Health organisation Practical- As per ICSE syllabus Final Full Book	Red cross and WHO.

COMMERCIAL STUDIES**CLASS IX****SYLLABUS 2017-2018****UNIT I****HALF YEARLY**

Prescribed Text:			Prescribed Text:		
Commercial Studies Part I (C.B. Gupta)			Commercial Studies Part I (C.B. Gupta)		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	Human Activities	Meaning Types of Human Activities Economic Activity and it's type Non - Economic Activity	10	Marketing and Sales	Meaning Distinction between Marketing and Selling Functions of Marketing and Sales Department
2	Business Activities	Meaning and Definition Characteristics of Business Activities Types of Business Activities Nature and Type of Industries Nature of Commerce Branches of Commerce Trade and its types Aids to Trade Inter - Relationship between Trade, Commerce and Industry Distinction between Organization, Firm and Company	11	Finance and Accounts	Meaning Functions of Finance and Accounts Department
3	Commercial Organizations	Meaning Classifications Industrial Grouping Grouping Accordingt to Sectors Classifications on the basis of ownership	12	Human Resources	Meaning of Human Resource Management Functions of Human Resource Management
4	Profit and Non - Profit Organizations	Meaning Types and Characteristics Distinction between Profit and Non - Profit Making Organizations Charitable Organization	13	Production	Meaning of Production Functions of Production Department
5	Sole Proprietorship and Hindu Undivided Family Business	Meaning and Features Merits and Demerits	14	Purchasing and Stores	Meaning of Purchasing Procedure of Purchasing Meaning of Storage Functions of Purchasing and Stores Department
6	Partnership	Meaning and Features Merits and Demerits Partnership Deed and agreement Registration Procedure Types of Partnership and Partners	15	General Administration and Legal Department	Meaning of General Administration Functions of General Administration Department Functions of Legal Department
7	Joint Stock Company	Meaning and Features Merits and Demerits	Syllabus for Half - Yearly Examination : Chapter 1 to 15 with Project Work.		

COMMERCIAL STUDIES**CLASS IX****SYLLABUS 2017-2018**

- 8 Co - operative Society
Types, Privileges of Private Company
Meaning and Features
Distinction between Co - operative Society
and Joint Stock Company
Merits and Demerits
Types, Formation and Management of
Co - operative Society
- 9 Public Sector Enterprises
Meaning and Features
Objectives and Rationale of Public Enterprises
Arguments against Public Enterprises
Departmental Undertaking
Public Corporations
Govt. Company

UNIT II**ANNUAL**

Prescribed Text:		Commercial Studies Part I (C.B. Gupta)	Prescribed Text:		Commercial Studies Part I (C.B. Gupta)
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
16	Nature and Importance of Communication	Meaning and Features of Communication Need for Communication Elements of Communication Objectives of Communication Importance of Communication Barriers to Communication Principles of Effective Communication	20	Basic Accounting	Meaning, Need and Basic Principles Accounting Conventions
17	Verbal and Non - Verbal Communication	Written Communication Spoken Communication Non - Verbal Communication Inter - Personal Skills	21	Accounting Books and Statements	Journals, Ledger, Cash Book, Petty Cash Book Trial Balance Bank Reconciliation
18	Different Methods of Communications	Letters Memos Telephone Conversation Face to Face Communication Methods of Telecommunications Methods of Non - Verbal Communication	22	Home Trades and Documents used in it	Meaning and Types of Trade and Home Trade Documents used in Home Trade
19	Meaning, Objectives and Terminology of Accounting	Meaning of Accounting and Book Keeping Objectives of Accounting and Book Keeping Accounting Cycle and System Golden Rules Basic Accounting Terminology	23	Wholesale Trade and Retail Trade	Meaning and Functions of Wholesaler Service of Wholesaler Survival or Elimination of Wholesaler Meaning, Functions and Service of Retailers
			24	International Trade and WTO	Meaning, Advantage and Disadvantage, Problems of International Trade WTO - Meaning and Functions Export and Import Trade - Meaning and Procedure Price Quotations
			25	Types of Pollution	Definition and Types of Pollution Sources of Air and Water Pollution
			26	Effects of Pollution on Environment and Control of Pollution	Effects of Pollution on Environment and Human Health Measures of control pollution Controlling Air Pollution Control of gaseous contaminants Measures on control of water pollution

COMMERCIAL STUDIES

CLASS IX

SYLLABUS 2017-2018

Syllabus for Unit II: Chapters 16 to 19 with Project

Projects: (Any Three)

1. Visit any business firm which is owned and controlled by one person. Meet its owner and find out the problems faced by him.
2. Prepare a list of ten joint stock companies from a newspaper. Classify them into public and private companies.
3. Suppose you and two of your classmates want to start a partnership business after completing your education. Draw up a partnership deed of your proposed business.
4. Visit a large industrial enterprise owned and managed by the Central or State government. Meet its General Manager to find out its form of organization, its major objectives and its role in the country's or state's development. Is the enterprise facing any criticism from the local community?
5. Visit a large business / new business organization in or near your city. Study and observe the communication system used in the organization. Find out the problems faced by the organization in communication. Give Suggestions to solve these problems.

27 Management of Wastes
and Methods of Safe
Disposal

Industrial Waste treatment
Controlling Noise Pollution
Introduction, Sources and Classification of Waste
Need for waste management
Objective of waste management
Segregation of waste
Dumping

Syllabus for Annual: Chapters 1 to 27 with Project

COMPUTER APPLICATIONS**CLASS IX****SYLLABUS 2017-2018****UNIT I****HALF YEARLY**

Prescribed Text:		Computer Applications volume 1	Prescribed Text:		Computer Applications volume 1
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	Introduction to Operating System	Need of Operating System Features of operating system CUI & GUI Types of operating system	4	Internet services	Working on internet Email and its features Search engine
2	Graphic user interface	Introduction to windows 7 OS Directory structure OF OS Managing files and folders	16	Values and types in JAVA	Tokens Keywords,identifiers,literals,separator,operator. Concept of data types Variables Constants
14	Understanding Objects And Class	Introduction What is object? Encapsulation Object implementation What is a class? Need for class Abstraction Object factory Object as an instance of a class	17	Operators and expressions in JAVA	Operators and its types Expressions Arithmetic Type conversion Boolean expression
15	Introducing java on Blue J Environment	Java features Blue J programming concept Method main Creating documentation	19	Java selection statements	Programming construct Selection statements If - else statement(nested) Switch statement

Syllabus for Half yearly including Project Work
(10 programs from the assignment sheet)

Ch- 1,2,4,14,15,16,17,19 & project submission (1st part)

Syllabus for Unit 1 : Ch 1,2,14,15 & practical programs to be practiced from reference book.

UNIT II**ANNUAL**

Prescribed Text:		Computer Applications volume 1	Prescribed Text:		Computer Applications volume 1
Chapter N	Name of the Chapter	Topic	Chapter N	Name of the Chapter	Topic
3	The internet	What is network? Types of network How internet works WWW & HTTP	20	JAVA iteration statements	Description of a loop structure For loop While loop Do while loop Comparison of loops & jump statement Types of errors in a program
5	Computing and ethics	Computer ethics Hacking and piracy Cyber crime	Ch 1,2,3,4,5,14,15,16,17,18,19,20 & practical programs to be practiced from reference book.		
18	Methods/Fun-ctions	What is a method? Method definition Accessing a method Actual and formal parameters Returning values from a method			

Syllabus for unit 2 including Project Work (Remains 10 programs from the assignment sheet)

Ch- 3,5,14,15,18 project submission (2nd part)

ECONOMIC APPLICATIONS

CLASS IX

SYLLABUS 2017-2018

UNIT I

HALF YEARLY

Prescribed Text:Elementary Economics Application Vol I

Prescribed Text:Elementary Economics Application Vol I

Ch No.	Name of the Chapter	Topic
1	Meaning and definition of Economics	Meaning and Definitions of Economics - Adam Smith Alfred Marshall, Lionel Robbins and Samuelson Reference to allocation and scarcity of Resources
2	Basic Concepts of Economics	Human wants, their characteristics and classifications Goods and their classifications Features and creation of utility Value and Price Types of Wealth Consumption and Production Income, Savings and Investments National Income Market Mechanism Inflation and Deflation Economic Entities

Ch No.	Name of the Chapter	Topic
3	Basic Problems of an Economy	The Central problem of what, how and for whom to produce Efficient use of Resources Economic Growth (PPC Concept) Economic Growth and it's need
4	Types of Economies	Developed and Developing Economy Open and Closed Economy Capitalist, Socialist and Mixed Economy
5	Solution to the basic economic problems	Price Mechanism Role of Government Solution under Mixed Economy
6	Nature and features of the Indian Economy	Indian economy at the time of Independence Causes of under development in India Features of Indian Economy
7	India: A Developing Economy	Signs of a developing Economy

Syllabus for Unit 1 : Chapter 1 to 2 with Project Work.

Syllabus for Half - Yearly Examination : Chapter 1 to 7with Project Work.

UNIT II

ANNUAL

Prescribed Text:Elementary Economics Application Vol I

Prescribed Text:Elementary Economics Application Vol I

Ch No.	Name of the Chapter	Topic
8	Sectors of the Indian Economy	Private and Public Sectors of India Sectoral distribution of work force Indian Agriculture Present Industrial Structure of India Scope and Service Sectors in India Rural and Urban Sectors in India Interdependence among various sectors
10	Infrastructure of the Indian Economy	Role of economic and social infrastructure Transport and Communication Service Energy or Power Constituents of Indian Banking and financial Infrastructure The social infrastructure of India

Ch No.	Name of the Chapter	Topic
9	Agriculture, Industry and The Ecosystem	Impact of Agricultural practices on the ecosystem Measures to save the ecosystem Impact of Industrial practices on the ecosystem Industrial wastes and its impact on environment Measures to protect and conserve the ecosystem Waste Management Initiative for pollution abatement in India
11	Consumer Awareness	Ways in which consumers are exploited Growth of Consumer Awareness Consumer Rights Legal Protection of Consumers Importance of Educating Consumers
12	Globalisation	Meaning and Impact of globalisation WTO and its functions

Syllabus for Unit II: Chapters 8 to 10 with Project

Syllabus for Annual: Chapters 1 to 12 with Project

Projects:

1. Identify the major brands of biscuits that are available in the market of your area. Select sample of 10
2. Make a presentation on the central problems an economy faces.
3. Prepare a report on "The Functioning of any State Electricity Board".
4. Prepare a project on the "Working of a MNC" (say, Pepsi co.) in Indian Market.

Explain these with reference of Indian Economy
Example: CESC Ltd.

History and Civics
CLASS IX
SYLLABUS 2017-2018

UNIT I

Prescribed Text: History and Civics -Jacob and Tayal			Prescribed Text: History and Civics -Jacob and Tayal		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	The Harappan Civilisation	Greatbath , Seals , Origin , Extent , Urban plan Trade , art , Craft , script , Decline .	5	The Sangam Age	Sources , Society , Economy .
2	The Vedic Period	Comparative Study , Early and later Vedic Period , Society , economy , Vedas , Epics , Pottery .	6	The Age of Guptas	Sources , Political history, Administration , Education , Science , culture .
3	Jainism and Buddhism	Causes for their rise , Teachings , Angas , tripitakas .	7	The Cholas	Political history , Administration , Culture .
4	The Mauryan Empire	political History , Administration , Ashoka and his religious policy .	8	The Delhi Sultanate	Sources , Political History , Administration .
<u>Civics</u>			<u>Civics</u>		
1	Our Constitution	Meaning , Preamble , Date of enforcement Features , Citizenship , Adult Franchise .	2	Fundamental Rights	Different Rights and Significance .
			3	Directive principles	Meaning , Welfare State , Different policies .
			4	Election	
				Project Work	Vedic period
			Syllabus of Half Yearly 1,2,3,4,5,6,7,8,Civics 1, 2, 3, 4.		

HALF YEARLY

UNIT II

Prescribed Text: History and Civics -Jacob and Tayal			Prescribed Text: History and Civics -Jacob and Tayal		
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
9	The Mughal Empire	Sources , Political History , Administration , Composite Culture , Bhakti and sufi movement .	12	Industrial Revolution	Definition , Comparative Study , Socialism , Capitalism .
10	Renaissance	Definition , causes , Art , Science , literature .	<u>Civics</u>		
11	Reformation	Causes , Martin luther , Counter Reformation .	6	Local Self government	Rural System of Panchayati Raj , Meaning Functions .
<u>Civics</u>			7	Local Self Government	Urban Municipal Corporaation , Committee The Mughal Empire .
5	Election	Meaning , Direct Election , General election , Mid Term Election , by election		Project Work	
				Syllabus for finals ---	All chapters from Half Yearly and Annual Syllabus .

ANNUAL

GEOGRAPHY
CLASS IX
SYLLABUS 2017-2018

UNIT I

HALF YEARLY

Prescribed Text:		A Textbook of I.C.S.E Geography Part I	Prescribed Text:		A Textbook of I.C.S.E Geography Part I
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
1	Earth as a Planet	Shape and Size of the Earth	6	Rocks & Rock Cycle	Rocks & their classification
2	Latitudes & Longitudes	Earth's Grid System Longitude & Time			Rock Cycles Importance
3	Rotation & Revolution	Motions of the Earth Their Effects	7	Volcanoes	Types Causes & Effects
4	Earth's Structure	Interior of the Earth Forces originating within the Earth	8	Earthquakes	Distribution Causes & Effects
5	Landforms of the Earth	Mountains Plains & Plateaus	9	Lithosphere	Distribution Folding
18	Pollution	Types & Sources			Faulting
19	Effects of Pollution	Effects of Air, Water, Noise and Soil Pollution	10	Weathering	Meaning & Different Types
20	Abatement of Pollution	Abatement of different types of pollution			Work of River
	Assignment -1	Conventional Symbols			Work of Wind
	PROJECT	Pollution – Air / Water OR Dangers of development and. Ecological Disasters like drought , earthquake , volcanoes , floods , landslide , cyclones and tornadoes in the world		Map Work Assignment- 2 Syllabus for Half Yearly including project work & Assignment 1 &2 Chapters Included: 1 to 10 & Map work	World Map Scale

UNIT II

ANNUAL

Prescribed Text:		A Textbook of I.C.S.E Geography Part I	Prescribed Text:		A Textbook of I.C.S.E Geography Part I
Ch No.	Name of the Chapter	Topic	Ch No.	Name of the Chapter	Topic
11	Importance of Oceans	Major Oceans Importance Terminology	15	Pressure Belts & Winds	Factors Distribution of Pressure Pressure Belts Wind System
12	Movement of Ocean Water Tides & Currents	Ocean Currents & its effects Tides & its effects	16	Precipitation	Process of Condensation & Precipitation Types & Causes of Rainfall Forms of Precipitation
13	Atmosphere	Composition Structure	17	Natural Regions	Equatorial Tropical Monsoon Desert Tundra
14	Insolation	Heating of the Atmosphere Factors affecting distribution of temperature Heat Budget			World Map Assignment - 1,2,3 & Project work
	Assignment - 3	Direction		Map Work Project Syllabus for final Chapters Included: Entire Syllabus	and Project work

SUPW
CLASS IX
SYLLABUS 2017-2018

- 1 Each One Teach One
- 2 Plaster of Paris Work
- 3 Greeting Card Making
- 4 Lino Block