

ENGLISH LANGUAGE
CLASS IX
SYLLABUS 2018-2019

UNIT I

HALF YEARLY

| 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 |
| | Notice Writng | | | | Prepositions |
| | Email Writing | | | | Joining of sentences |
| | | | | | Transformation of sentences |
| | | | | Project Assignment | English oral skill |
| | | | | | Aural Comprehension |
| | | | | Notice Writng | |
| | | | | Email Writing | |

UNIT II

ANNUAL

| 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 |
| | | | | Project Assignment | English oral skill |
| | | | | | Aural Comprehension |
| | | | | Notice Writng | |
| | | | | Email Writing | |

ENGLISH LITERATURE
CLASS IX
SYLLABUS 2018-2019

UNIT I

Prescribed Text: TREASURE TROVE

- Name of the Chapter
1. Daffodils
2. Attorse and Two Goats

Prescribed Text: The Merchant of Venice

- Act I : Scene I
Scene II

UNIT II

Prescribed Text: TREASURE TROVE

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

Prescribed Text: The Merchant of Venice

- Act II : Scene IV
Scene V
Scene VI
Scene VII

HALF YEARLY

Prescribed Text: TREASURE TROVE

- Name of the Chapter
1. Bangle Sellers
2. Television
3. Chief Seattle's Speech
4. Hearts and Hands

Prescribed Text: The Merchant of Venice

- Act I: Scene III
Act II: Scene I
Scene II
Scene III

Project Assignment- R.K Narayan's treatment of the comic elements in 'A Horse and Two Goats' (To be completed during the summer vacation)

ANNUAL

Prescribed Text: TREASURE TROVE

- Name of the Chapter
1. After Blenheim
2. Heart of a Tree
3. A Face in the Dark
4. Angel in Disguise

Prescribed Text: The Merchant of Venice

- Act II: Scene VIII
Scene IX
Act III : Scene I

Project Assignment- With close reference to 'The Merchant of Venice' Act II Scenes V and VI, discuss how the Jessica-Lorenzo elopement plot took shape.

**HINDI 2ND LANGUAGE
CLASS IX
SYLLABUS 2018-2019**

UNIT I

| 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 | | SWARG 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 PAD | |
| | | | | KAVI-SOOR DAS | |

HALF YEARLY

| 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

| |
|--------------------------------|
| Name of the Chapter |
| NIBANDH LEKHAN |
| PATRA LEKHAN |
| SANGYA SE VISHESHAN |
| BHAVVACHAK SANGYA |
| PARYAYVACHI |
| VILOM SHABD |
| SHABDA SAMOOH KE LIYE EK SHABD |

VYAKARAN HINDI RACHNA

| | |
|---------|--|
| | SANGYA SE VISHESHAN |
| | BHAVVACHAK SANGYA |
| | PARYAYVACHI |
| | VILOM |
| | MUHAVRE |
| | LING PARIVARTAN |
| | VACHAN PARIVARTAN |
| | SHABDA SAMOOH KE LIYE EK SHABD |
| | ASHUDH SHABD KO SHUDH KARO |
| | <u>RACHNA</u> |
| | NIBANDH LEKHAN |
| | PATRA LEKHAN |
| | APATHIT GADYANSH |
| PROJECT | MATRU BHOOMI KA MAAN- HARIKRISHNA "PREMI" |
| | VEERSINGH KA CHARITRA |
| | NIBANDH |
| | CHITRA ADHYAN |
| | All including Unit 1 Syllabus |

**HINDI 2ND LANGUAGE
CLASS IX
SYLLABUS 2018-2019**

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 PAD | Word Meaning |
| | SWARGA BANA SAKTE HAIN | Explanation | | TULSIDAS KE PAD | 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 2018-2019

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 2018-2019

UNIT I

HALF YEARLY

| Understanding ICSE Mathematics | | | Understanding ICSE Mathematics | | |
|--------------------------------|-------------------------------|---|--------------------------------|---|---|
| Chapter No | Name of the Chapter | Topic | Chapter No | Name of the Chapter | Topic |
| 2 | Compound Interest | Application of Formula Word problem | 10 | Mid- point Theorem | Mid- point Theorem Intercept Theorem |
| 3 | Expansions | Special products All Formulae Algebraic Identities | 5 | Simultaneous Linear Equations | Equation Solutions Rules for solving linear equation Simultaneous Linear Equations |
| 1 | Rational & Irrational Numbers | Rational & Irrational Numbers Surds and rationalization of surds Non repeating decimals Non terminating decimals | 14 | Circle | Linear equation with two variables Graphical solution of linear equation Chord Property Angle Property |
| 9 | Triangles | Relation Between angles Congruency of triangle Isosceles triangle Inequalities | 11 | Pythagoras Theorem | Pythagoras Relations Application in word problem |
| | | | 19 | Statistics | Frequency Distribution Types of data Cumulative Frequency |
| | | | 6 | Problems on Simultaneous Linear Equations | Application in word problem Simultaneous Linear Equations |
| 4 | Factorization | Factorization by taking common factor Factorization by grouping Factorization of trinomial | 16 | Trigonometrical Ratios | Linear equation with two variables Trigonometrical ratios of the triangles |
| 7 | Indices | Fractional Indices Laws of Indices | 17 | Trigonometrical Ratios of standard angles | Complementary angle Standard Angles |
| | | | 8 | 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

Submission:- August 2018

UNIT II

ANNUAL

| Understanding ICSE Mathematics | | | Understanding ICSE Mathematics | | |
|--|---------------------|---|---|----------------------|--|
| Chapter No | Name of the Chapter | Topic | Chapter No | Name of the Chapter | Topic |
| 12 | Rectilinear Figures | Types of Quadrilaterals Results on Parallelogram Some Results on Rectangle, Rhombus, Square | 18 | Co-ordinate Geometry | Co-ordinate Axes Convention of signs Graph of $y = mx + c$ |
| 12 | Theorems on Area | Fundamental Concepts Area Axioms | 15 | Mensuration | Plane Figures Cuboids Volume of Cubes |
| 19 | Statistics | Arithmetic mean Median Median of discrete series | Project – 2 : Statistical Analysis of Height & Weight | | |
| UNIT TEST – II: 3 chapters + Indices + Logarithm | | | Submission:- January 2018 | | |
| | | | All The Chapters of the book of Class – IX students (boys and girls) | | |

PHYSICS
CLASS IX
SYLLABUS 2018-2019

| UNIT I | | | HALF YEARLY | | |
|-----------------------------|---------------------------------|--|--------------------------|--|--|
| Prescribed Text: | | Concise Physics | Prescribed Text: | | Concise Physics |
| Chapter N | Name of the Chapter | Topic | Chapter N | Name of the Chapter | Topic |
| 2 | Motion in one Dimension | Rest, motion, speed, velocity, acceleration Graphical representation of linear Motion, numerical | 4 | Pressure in Fluids and Atmospheric Pressure | Thrust and Pressure and their units Pascal's Law and transmission of pressure in liquids Principle of Floatation, Application, Relative density and measurement, numerical |
| 3 | Laws of Motion | Newton's Laws of Motion and its application Gravity and Free fall | 5 | Up thrust in Fluids Archimedes' Principle | Upthrust and Archimedes' Principle Properties of upthrust Verification of Archimedes Principle |
| 1 | Measurement and Experimentation | Need of unit for measurement and its kind, derived units Least count of instruments screw gauge and vernier caliper Numerical, Pendulum experiments Beam balance | 6 | Heat and Energy | Concept of heat and temperature Anomalous Expansion of Water Thermal expansion Energy flow and its importance Energy Resources. Renewable and non renewable sources, energy degradation Green House Effect and Global warming |
| UNIT 1 3 chapters | | | 7 | Reflection of Light | Reflection of light Images formed in pair of mirror Uses of plane mirror Spherical Mirror Ray diagram of convex and concave mirror, Uses of Mirrors As per ICSE Syllabus (Submission:- August 2018) |
| UNIT II | | | ANNUAL | | |
| Prescribed Text: | | Concise Physics | Prescribed Text: | | Concise Physics |
| Ch No. | Name of the Chapter | Topic | Ch No. | Name of the Chapter | Topic |
| 8 | Propagation of Sound wave | Nature of sound waves Requirement of a medium for sound wave to travel Propagation and speed in different media Comparison with speed of light | 9 | Current Electricity | Types of Cell Symbols for circuit diagram Insulators and Conductors Flow of electrons between conductors Resistance Efficient use of energy |
| UNIT TEST – II: ch 7 & ch 8 | | | 10 | Magnetism | Induced magnetism Magnetic field of earth Neutral points Introduction for electromagnet and uses As per ICSE Syllabus (Submission:- January 2018) |
| | | | PRACTICAL Annual Exam | 7 Chapters 1-10 Chapters | |

BIOLOGY
CLASS IX
SYLLABUS 2018-2019

UNIT I

HALF YEARLY

| Prescribed Text: | | ICSE Biology-9-Santra | | Prescribed Text: | | ICSE Biology-9-Santra | |
|-------------------------|----------------------------|---|--|-------------------------|------------------------------------|---|---|
| Ch No. | Name of the Chapter | Topic | | Ch No. | Name of the Chapter | Topic | |
| 1 | The Cell -A unit of life | Cell Structure, Cell theory Cell organelle Prokaryotic and Eukaryotic cell | | 3 | The flower | Description of floral parts functions of various parts Inflorescence | |
| 2 | Tissues | Plant Tissue – Simple and Complex Tissue Animal Tissue- Epithelial, Connective, Muscular & Nervous | | 4 | Pollination | Self and Cross Pollination Contrivances for self and cross pollination | |
| | Unit Test -Chapter1,2. | | | 5 | Fertilisation | Structure of pollen grains and ovules Different events of fertilisation | |
| | | | | 6 | Structure and germination of seeds | Classification of seeds,germination process | |
| | | | | 7 | Respiration in Plants | Types of respiration Mechanism of respiration | |
| | | | | 16 | 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 | Diversity in living organisms | Plant kingdom classification Invertebrates Vertebrates -To be related to practical classes | |
| | | | | | | | H.Y Chapters 1,2, 3, 4,5 ,6.7.,8,16 Practical-As per ICSE syllabus related to the chapters |

CHEMISTRY
CLASS IX
SYLLABUS 2018-2019

| UNIT I | | | HALF YEARLY | | |
|-----------------------------|---------------------------------|---|---|---------------------|--|
| CONCISE CHEMISTRY BY SELINA | | | CONCISE CHEMISTRY BY SELINA | | |
| Chapter No | Name of the Chapter | Topic | Chapter | Name of the Chapter | Topic |
| 2 | Chemical changes and reactions. | Characteristics of chemical reaction Types of chemical reactions | 7 | Study of gas laws | Behavior of gases Gas laws, numericals |
| 1 | The language of chemistry | Symbol Valency Radicals Chemical equation Relative Atomic Mass Percentage Composition Empirical formula of a compound | 3 | Water | Physical properties of water Water as universal solvent Solubility and Concentration of solution Properties of hard and soft water. |
| | | | Half yearly chapters 1,2,3,7. Project based on practical work and submission of lab manual. SUBMISSION:- AUGUST | | |

| UNIT II | | | ANNUAL | | |
|-----------------------------|-----------------------|--|---|---------------------|---|
| CONCISE CHEMISTRY BY SELINA | | | CONCISE CHEMISTRY BY SELINA | | |
| Chapter No | Name of the Chapter | Topic | Chapter No | Name of the Chapter | Topic |
| 8 | Atmospheric pollution | Types of pollution Ways of reducing pollution Ozone, Green house effect Consequences of pollution | 4 | Atomic structure | Structure of an atom Mass number Atomic number Isotopes Octet rule Duplet rule, electron dot diagrams. |
| 9 | Practical chemistry | Observation and reactions | 5 | The periodic table | Doberneir's triads Newlands's law of octaves Mendeleev's contribution Modern periodic table |
| | | | 6 | 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. SUBMISSION:- JANUARY | | |

COMMERCIAL STUDIES
CLASS IX
SYLLABUS 2018-2019

UNIT I

HALF YEARLY

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

COMMERCIAL STUDIES
CLASS IX
SYLLABUS 2018-2019

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

Syllabus for Unit 1 : Chapter 1 to 9 with Project Work.

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 | Ch No. | Name of the Chapter |
| Topic | | Topic | |
| 16 | Communication in Commercial Organisation | 20 | Basic Accounting Principles and Concepts |
| | Meaning and Features of Communication Need for Communication Elements of Communication Objectives of Communication Importance of Communication Barriers to Communication Principles of Effective Communication | 21 | Accounting Books and Statement |
| 17 | Verbal and Non - Verbal Communication | 22 | Banking |
| | Written Communication Spoken Communication Non - Verbal Communication Inter - Personal Skills | 23 | Trade |
| 18 | Different Methods of Communications | 24 | Social Responsibility of Commercial Organisation |
| | Letters Memos Telephone Conversation Face to Face Communication Methods of Telecommunications Methods of Non - Verbal Communication | | Meaning, Need and Basic Principles Accounting Conventions Journals, Ledger, Cash Book, Petty Cash Book Trial Balance Bank Reconciliation Meaning of Bank and Banking Types of Banks Functions of Commercial Banks Types of Bank Accounts Meaning and Types of a Channel Distribution Choice of Channel of Distribution C&F agents, Wholesalers, Retailers Distributors- Meaning Meaning of E-Commerce, E-Trade Online Trading Merits and Demerits of Online Trading Concept of Social Responsibility Social Responsibility towards the Environment |
| 19 | Meaning, Objectives and Terminology of Accounting | | E-Waste, Recycling, Afforestation, Eco-Friendly Products Legal Compliance of Environmental Norms |
| | Meaning of Accounting and Book Keeping Objectives of Accounting and Book Keeping Accounting Cycle and System Golden Rules Basic Accounting Terminology | | Syllabus for Annual: Chapters 1 to 24 with Project |

Syllabus for Unit II: Chapters 16 to 19 with Project

COMMERCIAL STUDIES
CLASS IX
SYLLABUS 2018-2019

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.

Dates for submission:

First project to be submitted immediately after Summer Vacation.

Second project to be submitted on or before 28th August.

Third project to be submitted on or before 22nd November.

COMPUTER APPLICATIONS
CLASS IX
SYLLABUS 2018-2019

UNIT I

HALF YEARLY

| Computer Applications volume 1 (Dhanpat Rai) | | | Computer Applications volume 1 (Dhanpat Rai) | | |
|--|---|--|--|--------------------------------|---|
| Chapter | Name of the Chapter | Topic | Chapter | Name of the Chapter | Topic |
| 1 | Introduction to Object Oriented Programming Concept | Evolution of Software. Procedure and object oriented programming, advantages & disadvantages. Abstraction & Encapsulation. | 5 | Operators and expressions | Operators and its types Arithmetic operators: unary, binary, increment and decrement Relational operator Logical operator Assignment operator Conditional operator new and dot operator Operator precedence Programming construct Conditional or Selection statements If - else statement(nested) Switch statement Switch vs if else statement |
| 2 | Introduction to Java | Introduction to Java bytecode. Java compilation and ordinary program compilation. | 9 | Conditional Constructs in Java | Conditional or Selection statements If - else statement(nested) Switch statement Switch vs if else statement |
| 3 | Elementary concept of Objects And Classes | Introduction What is object? Encapsulation Object implementation What is a class? Need for class Abstraction Object factory Object as an instance of a class | 12 | Computing and ethics | Computer ethics Hacking and piracy Computer crime Ten commandments of computer ethics |
| 4 | Values and Data Types | Tokens Keywords, identifiers, literals, separator, operator. Concept of data types Variables Constants | Syllabus for Half yearly including Project Work (10 programs from class object concept, and If else & switch case program) Ch- 1,2,3,4,5,9,12 & project submission on or before 24/08/2018 (1st part) | | |

Syllabus for Unit 1 : Ch 1,2,3,4 & practical programs to be practised.

UNIT II

ANNUAL

| Computer Applications volume 1 (Dhanpat Rai) | | | Computer Applications volume 1 (Dhanpat Rai) | | |
|--|-------------------------------|---|---|------------------------------|--|
| Chapter | Name of the Chapter | Topic | Chapter | Name of the Chapter | Topic |
| 7 | Input in Java | Memory allocation & initialization Packages in java Obtaining input using scanner class Types of program errors | 10 | Iteration constructs in Java | Description of a loop structure For loop While loop Do while loop Jump statement break and continue |
| 8 | Mathematical Library Function | Functions of Math class Using the functions of Math class in Expression | 11 | Nested loops | Understanding nested loops Applying break and continue in nested loops |
| 6 | Methods/Functions | What is a method? Method definition Accessing a method Actual and formal parameters Returning values from a method Scope of a variable | Syllabus for annual: Ch 1,2,3,4,5,6,7,8,9,10,11,12 & practical programs to be practised. | | |

Syllabus for unit 2 including Project Work (Remaining 10 programs from Methods, and iteration statements.)

Ch- 6,7,8 & project submission on or before 4/12/18 (2nd part)

ECONOMIC APPLICATIONS

CLASS IX

SYLLABUS 2018-2019

UNIT I

HALF YEARLY

Elementary Economics Application Vol I (Debashis Mazumdar)

Elementary Economics Application Vol I (Debashis Mazumdar)

| Chapter No. | Name of the Chapter | Topic | Chapter 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 | 3 | Basic Problems of an Economy | The Central problem of what, how and for whom to produce Efficient use 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 | 4 | Types of Economies | Economic Growth (PPC Concept) Economic Growth and it's need 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 |

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

Syllabus for Half - Yearly Examination : Chapter 1 to 6 with Project Work.

UNIT II

ANNUAL

Elementary Economics Application Vol I (Debashis Mazumdar)

Elementary Economics Application Vol I (Debashis Mazumdar)

| Chapter No. | Name of the Chapter | Topic | Chapter 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 | 7 | India: A Developing Economy | Signs of a developing Economy |
| | | | 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 |
| 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 | 11 | Consumer Awareness | Initiative for pollution abatement in India 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

ECONOMIC APPLICATIONS
CLASS IX
SYLLABUS 2018-2019

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. Explain these with reference of Indian
3. Prepare a report on "The Functioning of any State Electricity Board". Example: CESC Ltd.
4. Prepare a project on the "Working of a MNC" (say, Pepsi co.) in Indian Market.

Dates for submission of Project:

First project to be submitted immediately after Summer Vacation.

Second project to be submitted on or before 28th of August.

Third project to be submitted on or before 22nd of November.

Fourth project to be submitted on or before first week of January.

History and Civics
CLASS IX
SYLLABUS 2018-2019

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> | 2 | Fundamental Rights | Different Rights and Significance . |
| 1 | Our Constitution | Meaning , Preamble , Date of enforcement Features , Citizenship , Adult Franchise . | 3 | Directive principles | Meaning , Welfare State , Different policies . |
| | | <u>Civics</u> | 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/ Sufi and Bhakti Movement | 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 2018-2019

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 Types |
| 3 | Rotation & Revolution | Motions of the Earth Their Effects | 7 | Volcanoes | Causes & Effects Distribution |
| 4 | Earth's Structure | Interior of the Earth Forces originating within the Earth | 8 | Earthquakes | Causes & Effects Distribution |
| 5 | Landforms of the Earth | Mountains Plains & Plateaus | 9 | Lithosphere | Folding Faulting |
| 18 | Pollution | Types & Sources | 10 | Weathering Denudation | Meaning & Different Types of weathering Work of River Work of Wind |
| 19 | Effects of Pollution | Effects of Air, Water, Noise and Soil Pollution | | Map Work | World Map |
| 20 | Abatement of Pollution | Abatement of different types of pollution | | Assignment- 2 | Scale |
| | Assignment -1 | Conventional Symbols | | | |
| | PROJECT | Pollution – Air / Water OR Equatorial Region | | | |
| Submission date: 2nd week of August, 2018 | | | Syllabus for Half Yearly including project work & Assignment 1 & 2 Chapters Included: 1 to 10 & Map work | | |

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 | Ocean Currents & its effects | 16 | Humidity | Process of Condensation & Precipitation Types & Causes of Rainfall Forms of Precipitation |
| | Tides & Currents | Tides & its effects | | | Equatorial Tropical Monsoon Desert Tundra |
| 13 | Atmosphere | Composition Structure | 17 | Natural Regions | World Map Assignment - 1,2,3 & Project work |
| 14 | Insolation | Heating of the Atmosphere Factors affecting distribution of temperature Heat Budget | | Map Work | |
| | Assignment - 3 | Direction | | Project | |
| | | | Submission date: 2nd week of January, 2019 | | |
| | | | Syllabus for final Chapters Included: Entire Syllabus and Project work | | |

SUPW
CLASS IX
SYLLABUS 2018-2019

- 1 Each One Teach One
- 2 Candle Making
- 3 Greeting Card Making
- 4 Glass Painting
- 5 Anti Honking Drive

PHYSICAL EDUCATION
CLASS IX
SYLLABUS 2018-2019

Unit 1

- * GENERAL WARM-UP
- * YOGA EXERCISE
- * MARCH PAST
- * INDOOR GAMES-CARROM BOARD,CHESS
- *OUTDOOR GAMES-
BASKETBALL,FOOTBALL, CRICKET

- BODY FEXIBILITY
- STRESS RELIEF,HELPS IN DIGESTION
- DEVELOPMENT OF COORDINATION SKILL
- IMPROVEMENT OF MENTAL ABILITY
- DEVELOPMENT OF TEAM SPIRIT

- SPECIFIC WARM-UP
- FLAT RACE-100M.,200M.
- SHUTTLE RUN
- * OUTDOOR GAMES-BADMINTON,
THROWBALL

Half Yearly

- BODY FEXIBILITY
- INCREASING FITNESS
- DEVELOPING BODY & FITNESS
- IMPROVEMENT OF STRENGTH & SKILL

Unit 2

- STRETCHING EXERCISE
- RELAY RACE
- SPOON & MARBLE RACE
- BALANCE RACE
- TUG OF WAR

- BODY FLEXIBILITY
- IMPROVEMENT OF STAMINA
- BALANCING SKILL
- BALANCING
- TESTING OF STRENGTH

- FITNESS TRAINING-JOGGING,SHUTTLE RUN STRENGTH,SPEED & ENDURANCE
- PROJECT**-CRICKET,FOOTBALL,BASKETBALL

Annual

* THE MARKED ACTIVITIES WILL BE CONTINUED THROUGHTOUT THE SESSION