

FINAL EXAMINATION – 2025

Class 6

English Language	1. Tenses: Present, Past, Future (simple, continuous, perfect, perfect Continuous) 2. Adverb 3. Essay writing 4. Verb 5. Active and passive voice 6. Direct and indirect speech 7. Punctuation 8. 8. Story Writing
English literature	1. The coming Storm (poem) 2. The young witness - 1 and 2 3. Home They Brought Her Warrior Dead (Poem) 4. The way of the Jungle 1 and 2 5. The story of William Tell
Maths	1.Knowing Our Numbers 2.Operations on Whole Numbers 3.Integers Addition and Subtraction 4.Sets 5.Fractions 6.Decimals 7.Playing with Numbers 8.Ratio, Proportion and Unitary Method 9.Algebraic Expressions 10.Basic Geometrical Ideas 11.Understanding Elementary Shapes 12.Perimeter and Area 13.Data Handling
Geography	* Minerals * North America : Physical division * South America : Political Division * South America :Physical Division * Life in the Amazon Basin
Science	
Physics	Chapter 3 - Force Chapter 4- Energy : simple machines Chapter 5- Light
Chemistry	Chapter 4- Water Chapter 5- Air and atmosphere
Biology	Chapter 4- Human body: Respiratory system Chapter 5- Human body: Circulatory system Chapter 6- Health and hygiene.

Art	Decorative patterns (mandala art) making
History	Chapters 9,10,11,12,13
Civics	Chapters 15 and 16
Computer	Chapter 4- Mail Merge in Word 2016 Chapter 5- Visual Effects in PowerPoint 2016 Chapter 8- HTML- An Introduction Chapter 9- Internet: Online Surfing Full forms
Hindi	1- ज्योतिषी बाबा 2- इस्तीफ़ा 3- कवियों की वाणी 4- बिन बुलाए मेहमान 5- शहीद बकरी 6- सच्ची तीर्थ यात्रा 7- पत्र लेखन (औपचारिक पत्र/ अनौपचारिक पत्र) 8- अपठित गद्यांश 9- लिंग 10- विशेषण 11- पर्यायवाची शब्द 12- विलोम शब्द 13- निबंध लेखन 14 – संज्ञा
Sanskrit	Chapter-7,10,11,12,14,15,16 विलोम शब्द पर्यायवाची शब्द पशुओं के नाम पक्षियों के नाम धातु रूप

Class 7

English Language

- 1.Nouns - Kinds & Usage
- 2.Adjectives-Kinds, Order , Degrees, Common Errors.
- 3.Pronouns - Kinds & Usage.
- 4.Verb - Transitive & Intransitive , Modals & Auxilliaris , Usage
- 5.Tense - Present,Past And Future .
- 6.Comprehension Passage
- 7.Composition / Essay Writing
- 8 Letter Writing- Formal & Informal
- 9.Paragraph Writing
- 10.Basic Grammar - Homophones , Homonyms, Synonyms, Antonyms , Spell-Check , Vocabulary, Correct Errors .

English Literature

Poem

- 1.Elegy On The Death Of A Mad Dog
- 2.From A Railway Carriage
- 3.The Wind
- 4 . First Spring Morning

Prose

- 5.A Visit To Ellora
- 6.Kabir
- 7.To The South Pole
- 8.Dara The Good
- 9.The Story Of William Shakespeare
- 10 A Witty Answer

Geography -

- *Interpreting Map Scale and Distances
- *Energy and Power Resources
- *Tourism in Switzerland
- *Antarctica
- *Africa
- *Australia
- *Sheep Rearing in Australia

Science

Physics

- Chapter 4- Light energy
- Chapter 5- Heat
- Chapter 6- Sound

Chemistry

- Chapter 5- Language of Chemistry
- Chapter6- Metals and Non metals

Biology

- Chapter 3- Classification of animals
- Chapter 5- Excretory system and Nervous System
- Chapter 6- Health and Hygiene: Allergy

Sanskrit

- Chapter -7, 11, 12, 13, 14, 15
- शब्द रूप
- अपठित गद्यांश
- धातु रूप

Mathematics	1.Multiplication and Division of Integers 2.Introduction to Rational Numbers 3.Multiplication and Division of Fractions 4.Operations on Rational Numbers 5.Decimal Representation of Rational Numbers 6.Decimals: Multiplication and Division 7.Exponents 8.Sets 9.Ratio and Proportion 10.Algebraic Expressions 11.Linear Equations 12.Lines and Angles 13.Construction 14.Properties of Triangles 15. Perimeter and Area 16. Data Handling
History/ Civics	1- The Early Mughals 2- The Reign of Akbar 3– The Emperor Jahangir 4- Shah Jahan and the Decline of Mughal Rule 5- The Making of a Composite Culture 6- The Constitution of India 7- The Directive Principles of State Policy
Geography	Interpreting Map Scale and Distances Energy and Power Resources Tourism in Switzerland Antarctica Africa Australia Sheep Rearing in Australia
Hindi	Sanchika (literature) Chapter -13 vaidyaraj jivak Chapter -16 Ajanta ki gufayen Chapter -17 Guru Nanak Chapter -18 Anyay ke virodh mein Chapter -19sukti Suman Chapter -20 chama Swaranjali (grammar) Chapter -5 Ling Chapter -6 vachan Chapter -7 karakChapterCh-8 sarvnam Chapter -9 viseshan Letter writing Essay writing Unseen passage

Art	Decorative patterns (mandala art) making
Computer	Chapter 3- Computer Virus Chapter 4- Ethics and Safety measures Chapter 5- Spreadsheets- An Introduction Chapter 7- Html- Advance Features

Class 8

English Language.	1)Pronouns- Personal, Demonstrative, Interrogative, Possessive and Distributive. 2)Prepositions.- of time ,Place, Movement, Prepositions used with vehicles. 3)Adjectives– of Quality, Quantity, Number, Demonstrative, Interrogative, Possessive. 4)Idioms and Phrasal Verbs. 5)A Mixed Bag- Synonyms, Antonyms, Forming Antonyms Using Prefixes. Homophones. 6)LETTER- formal and informal. 7)Comprehension. 8)Composition.
English Literature . PROSE.	1)The Story of Louis Pasteur. 2)Lord of the Jungle . 3)Fight with a Bear 1&2 4)Fire in the Stable. 6)Flit on Cheering Angel 1&2. 7)Death of Nelson.
POETRY.	1)How Beautiful is the Rain. 2)A Child's Dream. 3)Leisure. 4)Song of Radha the Milkmaid. 5)The Train.
Biology	1. Transport of food & minerals in plants 2. Reproduction in Plants 3. Reproduction in Animals 4. Ecosystem 5. Endocrine glands and Adolescence 6. Circulatory system 7. Nervous System 8. Health and hygiene
Mathematics	1.Rational Numbers 2 Operations on Rational Numbers 3 Exponents and Powers 4 Squares and Square Roots 5 Cubes and Cube Roots 6 Applications of Percentage 7 Simple and Compound Interest 8 Direct and Inverse Variation 9 Algebraic Expressions 10. Identities and Factorisation 11. Linear Equations and Inequalities 12. Properties of Quadrilaterals 13. Graphs 14. Volume and Surface Area 15. Probability

Geography	Population Dynamics Migration Urbanization Disaster Management Safety and Disasters Assam Floods Nepal Earthquake Deepwater Horizon Oil Spill India: Human Resources India Physical Map
HISTORY	1) American Civil War 2) Decline of Mughals and Rise of Independent Kingdoms. 3) British Rise to Power. 4) The Great Uprising of 1857. 5) Socio religious Reforms. 6) Rise of Indian National Movement.
CIVICS	1) The Legislature. 2) The Union Executive. 3) The Union Judiciary. 4) United Nations.
Physics	Chapter 1 - Matter Chapter 2 - Physical Quantities and Measurement Chapter 3 - Force and Pressure Chapter 4 - Energy Chapter 5 - Light Energy (Curved Mirrors) Chapter 6 - Light Energy (Refraction of light) Chapter 7 - Heat Transfer Chapter 8 - Sound Chapter 9 - More about Electricity
Hindi	Sawranjali (grammar) Chapter -2 varn Vichare Chapter -3 sabd vichar Chapter -4 sangya Chapter -6 vachan Chapter -7 karak Letter writing Essay writing Unseen passage Sanchika (literature) Chapter -13 ek kutta ek maina Chapter -14 upkar ka apkar Chapter -16 aap kinke sath h Chapter -18 teerthyatra Chapter -19 Subhash Chandra Bose Chapter -20 Raheem k dohe

Art	Decorative patterns (mandala art) making
Chemistry	1 Matter 2 Physical and chemical changes 3 Elements, compounds and mixtures 4 Atomic structure 5 Language of Chemistry 6 Chemical reactions 7. Hydrogen 8 Water_Properties, Solutions, Water of Crystallization. 9 Carbon and its compounds _Allotropy and allotropes of carbon
Computer	Chapter 5. Introduction to Java and BlueJ Chapter 6. Decision Control Structure Chapter 7. App Development Chapter 8. Network
Sanskrit	Chapters 4 to 11

Class 9

English Language.	1)Time and Tense. Chapter 2 2)Time and Tense Chapter 3 3)The Sequence of Tenses. 4)Transformation of Sentences Chapter 8. 5)Prepositions. Chapter 13. 6) Composition . 7)Comprehension. 8)Letter- Formal, Informal. 9)Notice / email.
English Literature.	
Julius Caesar	Act 2 : Scene 1 to 4
Poetry:	1. The Night Mail 2. Skimbleshanks: The Railway Cat 3. I Remember, I Remember 4. A Doctor's Journal Entry for August 6, 1945 5. A Work of Artifice
Prose:	1. Bonku Babu's Friend 2. Oliver asks for more 3. The Model Millionaire 4. The Homecoming 5. The Boy Who Broke the Bank.
Mathematics	1. Rational and Irrational Numbers 2. Compound Interest 3. Expansions 4. Factorization 5. Simultaneous 6. Linear Equations 7. Indices 8. Logarithms 9. Triangles 10. Rectilinear Figures 11. Circle 12. Mensuration 13. Trigonometric Ratios 14. Trigonometric Ratios of Standard Angles 15. Coordinate Geometry 16. Statistics
Hindi	
Hindi Literature	Akanki Sanchay Chapter 1:Sanskar Aur Bhawana Chapter 2:Bahu Ki Vida Chapter 3:Matr Bhumi Ka Maan.
Naya Raasta	Novel 1 to 12.
Hindi Language:	Letter (Formal & Informal) Essay writing. Comprehension.

HISTORY	1)The Harappan Civilization. 2)The Vedic Period. 3)Jainism and Buddhism. 4)The Mauryan empire. 5)The Sangam Age. 6)The Golden Age of the Guptas 7)Medieval India- South India and the Cholas. 8)The Delhi Sultanate. 9)The Mughal Empire. 10)Composite culture:The Sufi and Bhakti movements. 11)Modern Age in Europe:The Renaissance. 12)The Reformation. 13)The Industrial Revolution.
CIVICS	1)Our Constitution 2)Basic Features of the constitution 3)Fundamental Rights and Duties 4)Directive Principles of State Policy 5)Elections. 6)The State Legislature.
Chemistry	1. Language of Chemistry 2. Chemical changes and reactions 3. Water 4. Atomic structure and chemical bonding 5. The periodic table 6. Study of Hydrogen 7. Study of gas laws 8. Atmospheric pollution 9. Practical Chemistry
Geography	Earth as a Planet Rotation and Revolution Earth's Structure Landforms of the Earth Rocks and Rock Cycle Volcanoes Earthquakes Weathering and Denudation Humidity Pollution-Types and Sources Pollution-Preventive Measures World Political Map

PHYSICS

- Chapter 1 - Measurements and Experimentation
- Chapter 2 - Motion in one Dimension
- Chapter 3 - Laws of Motion
- Chapter 4 - Pressure in fluids and Atmospheric pressure
- Chapter 5 - Upthrust in fluids , Archimedes principle and Floatation
- Chapter 6 - Heat and Energy
- Chapter 7 - Reflection of light
- Chapter 8 - Propagation of sound waves
- Chapter 9 - Current Electricity
- Chapter 10 - Magnetism

Computer Applications

1. Introduction to Object-Oriented Programming (OOP) concepts: e.g., difference between procedure-oriented and object-oriented programming; the four principles of OOP (data abstraction, inheritance, polymorphism, encapsulation).
2. Introduction to Java: types of programs (applets/applications), compilation process, JVM, features of Java.
3. Elementary concept of objects and classes: entities and their behaviour, class as Composite datatypes /object factory.
4. Values and data types: character set, ASCII/Unicode, escape sequences, tokens, constants/variables, data types, type conversions.
5. Operators in Java: unary, binary, ternary; arithmetic, relational, logical, assignment; new operator, dot operator; input (Scanner class), types of errors.

Art

Drawing and painting from still life (study work from an original still life arrangements)

Biology

1. Cell
2. Tissue
3. Flower
4. Pollination & Fertilization
5. Seeds- Structure & Germination
6. Respiration in plants
7. Digestive Syatem
8. Skeleton - Movement and locomotion
9. Skin
10. Respiratory system
11. Hygiene
12. Disease: causes & con trol

Physical Education:

Part A All chapters

Part B Volley Ball

Badminton

Football

Basket Ball

(Any two games from Part B)

Class 10

English Language	1. Composition 2. Letter Writing (Formal, Informal) 3. Notice and Email 4. Comprehension with precis 5. Functional Grammar (Preposition, conjunction, verbs, structure of sentence)
English Literature	
Julius Caesar	Act 3 to Act 5 : (Full)
Prose	1. With the Photographer 2. The Elevator 3. The Girl Who Can 4. The Pedestrian 5. The Last Lesson
Poem	1. Haunted House 2. The Glove and the Lions 3. When Great Trees Fall 4. A Considerable Speck 5. The Power of Music
Hindi	
Hindi Literature	
Akanki Sanchay	Chapter 1:Sanskar Aur Bhawana Chapter 2:Bahu Ki Vida Chapter 3:Matr Bhumi Ka Maan. Chapter 4:Sukhi Dali Chapter 5:Deepdaan. Chapter 6:Maha Bharat
Naya Rasta	Chapter.1 to 26 (Full Book)
Hindi Language:	Letter (Formal & Informal) Essay writing. Comprehension.
Physical Education	
Part A	All chapters
Part B	Cricket Football Badminton Volleyball (Any two games from Part B)

History and Civics

Civics

- 1) The Union Legislature
- 2) The Union Executive (The President and the Vice President)
- 3) The Prime minister and the Council of ministers
- 4) The Union Judiciary: The Supreme court
- 5) The High Courts
- 6) The Subordinate Courts

History

- 1). The first War of Independence
- 2) Factors promoting the growth of Nationalism and foundation of INC
- 3) Programme and achievements of early nationalists
- 4) The partition of Bengal - The rise of assertive nationalism
- 5) Formation of Muslim league
- 6) The National Movement
- 7) Mahatma Gandhi and National Movement
- 8) The Quit India Movement and INA
- 9) The last phase of independence and partition of India
- 10) The first World war
- 11) Rise of Dictatorship
- 12) The second world war
- 13) The United nations
- 14) Major agencies of the United nations
- 15) The non aligned movement.

Geography

Interpretation of Topographical Maps- I

Interpretation of Topographical Maps- II

Map of India

Climate of India

Soil Resources in India

Natural Vegetation

Water Resources

Mineral and Energy Resources - I

Mineral and Energy Resources – II

Agriculture in India – I

Agriculture in India – II: Food Crops

Agriculture in India – III: Cash Crops

Manufacturing Industries in India – I : Agro-Based

Manufacturing Industries in India – II : Mineral –Based

Transport

Waste Management – Impact of Waste Management

Waste Generation and Management – Methods of safe Disposal of Waste

Maths

1. Commercial Maths
Goods and Services Tax (GST), Banking, and Shares and Dividends.
2. Algebra - Linear Inequations
Quadratic Equations in one variable
Ratio and Proportion
Factorisation of polynomials
Matrices
Arithmetic and Geometric Progression
Co-ordinate Geometry
3. Geometry
Similarity, Loci, Circles, Tangent and Secant Properties, Constructions, and Angle Properties.
4. Mensuration
Area and Volume of Cylinder, Cone, and Sphere
5. Trigonometry
Using identities to prove simple algebraic trigonometric expressions
Heights and Distances (2-D problems)
6. Statistics
Measures of Central Tendency (Mean, Median, Mode for raw and grouped data)
Graphical Representation (Histograms and Ogives)
7. Probability
Sample space, random experiments, events
Simple problems on single events

Chemistry

- 1 Periodic table and periodic properties
- 2 Chemical Bonding
- 3 Acids, bases and salts
- 4 Analytical Chemistry
- 5.Mole concept and stoichiometry
- 6 Electrolysis
- 7 Metallurgy
- 8 Study of compounds
 - A. Hydrogen chloride
 - B. Ammonia
 - C. Nitric acid
 - D. Sulphuric acid
- 9.Organic Chemistry

Computer Applications

1. Revision of Class 9 Syllabus (complete unit)
2. Class as the basis of all computation (Objects & Classes)
3. User-Defined Methods: syntax of methods, invoking methods, actual & formal parameters
4. Constructors: types of constructors, difference between method and constructor Library
Classes: wrapper classes, methods, autoboxing/unboxing
5. Encapsulation: access specifiers, visibility rules, scope of variables
6. Arrays: single and two-dimensional arrays, declaration, initialization, operations
7. String Handling: String class, methods of String class, extracting/modifying characters, etc

Economics
(non maths)

- 1-The productive mechanism
- 2-Land
- 3-Labour
- 4-Efficiency of labour
- 5-Capital and capital formation
- 6-Entrepreneur
- 7-Theory of demand
- 8-Elasticity of demand
- 9- Theory Of Supply
- 10-Elasticity of supply
- 11-Market
- 12-Money
- 13-Banking: Commercial Banks
- 14-Central Bank
- 15-Monetary policy of central bank
- 16-Score of the public finance
- 17-Public revenue
- 18-Public expenditure
- 19-Public debt
- 20-Inflation
- 21- consumer awareness

Biology

1. Structure of chromosomes, cell cycle, cell division
2. Genetics
3. Absorption by roots
4. Transpiration
5. Photosynthesis
6. Chemical coordination in plants
7. Circulatory system
8. Excretory system
9. Nervous System
10. Sense Organs
11. Endocrine system
12. Reproductive system
13. Human evolution
14. Population
15. Pollution

Physics

- Chapter 1 : Force
- Chapter 2 : Work , energy and power
- Chapter 3 : Machines
- Chapter 4 : Refraction of light at plane surfaces.
- Chapter 5 : Refraction through a lens
- Chapter 6 : Spectrum
- Chapter 7 : Sound
- Chapter 8 : Current Electricity
- Chapter 9 : Household circuits
- Chapter 10 : Electro - magnetism
- Chapter 11 : Calorimetry
- Chapter 12 : Radioactivity

Class 11

ENGLISH LANGUAGE: Proposal Writing
Functional Grammar – Prepositions, Tenses,
Transformation Of Sentences
Directed Writing : Article Writing, Report Writing, Speech Writing,
Book Review, News Paper Report,
Statement Of Purpose
Comprehension With Summary
Composition Writing

ENGLISH LITERATURE :

DRAMA – MACBETH : ACT 1, ACT 2

PROSE : A Living God
Advice To Youth
The Paper Menagerie
The Great Automatic Grammatizator
Thank You Ma'am

POETRY: Abhisara
Why I Like The Hospital
Sonnet 116
Death Of A Naturalist
Strange Meeting

History

Section A

- 1) Growth of Nationalism
- 2) Emergence of the colonial economy
- 3) Social and Religious Movements
- 4) Protest movement against colonial rule
- 5) Gandhian Nationalism (Both the parts of the chapter)

Section B

- 6) The First World War 1914-1918
- 7) Peace Settlement after the World War 1
- 8) The Great Depression
- 9) Rise of Communism in Russia
- 10) Rise of Fascism in Italy
- 11) Rise of Nazism in Germany
- 12) Rise of Militarism: Japan

Chemistry

1. Some Basic Concepts of Chemistry
2. Structure of Atom
3. Classification of Elements and Periodicity in Properties
4. Chemical Bonding and Molecular Structure
5. Chemical Thermodynamics
6. Equilibrium
7. Redox Reactions
8. Organic Chemistry: Some Basic Principles and Techniques
9. Hydrocarbons

Political science

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| Section A | <ol style="list-style-type: none">1) Introduction to political science and State2) The Origin of the state3) Political ideologies4) Sovereignty5) Law6) Liberty7) Equality8) Justice |
| Section – B | <ol style="list-style-type: none">9) Disintegration of the Soviet union10) Unipolar world11) Regional cooperation12) South Asia |

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| Mathematics | <ol style="list-style-type: none">1. Sets2. Relations and Functions3. Trigonometry4. Complex Numbers5. Quadratic Equations6. Linear and Quadratic Inequalities7. Permutations and Combinations8. Limits and Derivatives9. Probability10. Introduction to 3D Geometry11. Conic Sections12. Geometric Progression |
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| Physics | <p>Annual exam syllabus</p> <p>Motion in straight line</p> <p>Motion in plane</p> <p>Newton's law of motion</p> <p>Friction</p> <p>Circular motion</p> <p>work energy and power</p> <p>Mechanical property of solids</p> <p>Flow of liquid</p> <p>Surface tension</p> <p>Kinetic theory of gases</p> <p>SHM</p> <p>Wave motion</p> |
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| Art | Drawing and painting from still life (study work from an original still life arrangements) |
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Physical Education

Part A All chapters

Part B Basket Ball

Hockey

Cricket

Football

(Any two games from Part B)

Economics

1. Understanding Economics

- (i) Definition of Economics: Adam Smith, Alfred Marshall, Lionel Robbins, Samuelson.
- (ii) Micro and Macro Economics - Meaning and Difference. Basic concepts: utility, price, value, wealth, welfare, money, market, capital, investment, income, production, consumption, saving, Business cycle, Aggregate demand and Aggregate supply.
- (iii) Basic problems of an economy: what to produce; how to produce; for whom to produce; efficient use of resources. Production possibility curve.
- (iv) Types of economies: developed and developing; Economic systems: capitalism, socialism and mixed economy; mechanism used to solve the basic problems faced by each economy.

2. Indian Economic Development

- (i) Introduction.
- (ii) Parameters of Development.
- (iii) Poverty in India
- (iv) Human capital formation
- (v) Economic growth and development.
- (vi) Sustainable Development.

3. Statistics

- (i) Statistics: definition, scope and limitations of statistics.
- (ii) Collection, organization and presentation of data.
- (iii) Measures of Central Value: average defined; type of averages: arithmetic mean; simple and weighted; median and mode; ungrouped and grouped data; numericals, relationship between mean, median and mode.
- (iv) Measures of dispersion: definition, methods of studying variation - range; standard deviation; quartile deviation; the mean or average deviation; coefficient of variation.
- (v) Correlation: introduction, scatter diagram; Karl Pearson's coefficient of correlation; Spearman's coefficient of correlation.
- (vi) Index numbers: simple and weighted - meaning, types and purpose. Problems involved in constructing a Price Index Number.

Computer Science

- 1. Numbers: representation of numbers in different bases and conversion between them.
- 2. Propositional logic, hardware implementation, arithmetic operations: logic gates, truth tables, etc.
- 3. Introduction to Object-Oriented Programming using Java.
- 4. Objects, primitive values, types and casting.
- 5. Variables and expressions, methods & constructors.
- 6. Arrays and Strings
- 7. Basic Input / Output Operation in Java
- 8. Recursion in Java

Biology	1. The living world 2. B.C.- Monera and protista 3. B.C.- Fungi and viruses 4. P.K.- Algae and Bryophyta 5. p.K.- pteridophytes and gymnosperms 6. Animal kingdom - general construction and non- chordates 7. Animal kingdom - Chordates 8. Cell: unit of life 9. Biomolecules 10. Cell cycle and cell division 11. Breathing and exchange of gases 12. Body fluids and circulation 13. Excretion
Accounts	1. Introduction to Accounting 2. Basic Accounting Terms 3. Accounting Equation 4. Double Entry System 5. Journal 6. Ledger 7. Trial Balance 8. Final Accounts without Adjustment 9. Final Accounts with Adjustment 10. Cash Book 11. Subsidiary Books 12. Depreciation 13. Bill of Exchange 14. Generally Accepted Accounting Principles 15. Provisions and Reserve 16. Rectification of Errors 17. Capital and Revenue Expenditure and Income
Commerce	1. Classification of Human Activities 2. Nature and Objectives of Business 3. Classification of Business Activities 4. Introduction to Business Organisation 5. Sole Trader 6. Partnership 7. Joint Stock Company 8. Types of Companies 9. Formation of a Company 10. Public Enterprises and Public Private Partnership. 11. Cooperative Organisation 12. Social Responsibility of Business and Business Ethics 13. E Business and Outsourcing 14. Stock Exchange 15. Wholesale Trade 16. Retail Trade

Class 12

English Language:

Proposal Writing

Functional Grammar – Prepositions, Tenses,
Transformation Of Sentences

Directed Writing : Article Writing, Report Writing, Speech Writing, Book
Review, News Paper Report, Statement Of Purpose
Comprehension With Summary
Composition Writing

English Literature ::

DRAMA –

Prose :

Macbeth : Act 3, Act 4, Act 5

Atithi

The Cookie Lady

There Will Come Soft Rains

Indigo

The Medicine Bag

POETRY:

Telephone Conversation

Tithonus

Beethoven

Small Towns And The River

Death Be Not Proud

History

Section A

- 1) Towards Independence and Partition: The Last Phase(1935-1947)
- 2) Establishment and Development of Indian Democracy (1947-1966)
- 3) Challenges to Indian Democracy (1964-1977)
- 4) Changing Face of the Indian Democracy (1977-1986)
- 5) Indian Foreign Policy
- 6) Movements For Women's Rights

Section B

- 1) World War II
- 2) Decolonisation in Asia and Africa
- 3) Cold War(1945-1991)
- 4) Protest Movements
- 5) Middle East- Israeli- Palestine Conflict

Chemistry

- 1.Solutions
- 2 Electrochemistry
- 3 Chemical Kinetics
- 4 d and f Block Elements
- 5 Coordination compounds
- 6 Halo alkanes and Halo arenes
- 7Alcohols,Phenols and Ethers
- 8 Aldehydes, Ketones and Carboxylic acid
- 9 Organic Compounds containing Nitrogen
10. Biomolecules

Physical Education

Section A

- 1.Sociological Aspects of Physical Education
- 2.Training Methods
- 3.Health Education and Health Problems
- 4.Sports Injuries and First Aid

Section B

- 1.Football
- 2.Cricket
- 3.Basketball
- 4.Hockey

Political Science

Section A

- 1) Forms of Government - Totalitarian, Authoritarian and Liberal Democracy
- 2) Unitary and Federal states
- 3) Presidential and Parliamentary form of government
- 4) Constitution
- 5) Franchise and Representation
- 6) The Legislature
- 7) The Executive
- 8) The Judiciary

Section – B

- 9) Indian Constitution
- 10) Fundamental rights
- 11) Directive principles
- 12) Local self government
- 13) Democracy in India - challenges

Mathematics

Section A

1. Relation and Functions
2. Inverse Trigonometric Functions
3. Matrices
4. Determinants
5. Continuity and Differentiability
6. Integrals
7. Differential Equations
8. Probability

Sections B

1. Vectors
2. Three Dimensional Geometry
3. Application of Integrals

Section C

1. Application of Calculus in Commerce and Economics
2. Linear Regression
3. Linear Programming

Computer Science

Section A:

1. **Boolean Algebra** (Propositional logic, well-formed formulae, truth tables, laws of Boolean algebra, duality, De Morgan's theorem, simplification of Karnaugh maps up to 4 variables)
2. **Computer Hardware:** Logic gates, circuits, adders, encoders/decoders, multiplexers, NAND & NOR as universal gates.

Section B:

1. Implementation of algorithms to solve problems; Programming in Java (review of Class 11 parts)
2. Objects, Primitive values & wrapper classes, Types & casting, Variables & expressions, Statements & scope, Methods, Arrays & Strings, Recursion.

Section C:

1. Advanced topics: Inheritance, Interface, Polymorphism;
2. Data Structures (stack, queue, dequeue, single linked list, binary trees – conceptual)

Economics

1. Micro Economic Theory

- (i) Demand: meaning, factors affecting demand; Demand function; Law of Demand; derivation of demand curve; movement and shift of the demand curve; exceptions to the Law of Demand. Law of Diminishing Marginal Utility, Law of Equimarginal Utility, consumer's equilibrium through utility approach (Cardinal) and indifference curve analysis (Ordinal).
- (ii) Elasticity of demand: meaning, types of elasticity of demand, measurement of elasticity of demand; factors affecting elasticity of demand.
- (iii) Supply: meaning; difference between stock and supply; determinants of supply; Law of Supply; movement and shift of the supply curve; elasticity of supply.
- (iv) Market Mechanism: Equilibrium and disequilibrium; Equilibrium price and effect of changes in demand and supply on the equilibrium price. Simple applications of tools of demand and supply.
- (v) Concept of production and production function (short run and long run production function), returns to a factor, total, average and marginal physical products; Law of Variable Proportions and its three stages.
- (vi) Cost and revenue: Basic concepts of cost; fixed cost, variable cost, total cost, marginal cost and average cost – their relationships; opportunity cost; short run and long run cost curves. Revenue: meaning; average revenue, marginal revenue and total revenue and their relationships under perfect competition and imperfect competition, Producer's equilibrium.
- (vii) Main market forms: perfect competition, monopolistic competition, oligopoly, monopoly, monopsony; characteristics of the various market forms; equilibrium of a firm in perfect competition under short run and long run.

2. Theory of Income and Employment

Basic concepts and determination of Income and Employment

3. Money and Banking

- (i) Money: meaning, functions of money, supply of money.
- (ii) Banks: functions of commercial bank; high powered money, credit creation by commercial banks; Central Bank: functions.

4. Balance of Payment and Exchange Rate

Balance of Payment - meaning, components; foreign exchange - meaning, determination of exchange rate (Flexible).

5. Public Finance

- (i) Fiscal Policy: meaning and instruments of fiscal policy.
- (ii) Government Budget: meaning, types and components.

6. National Income

- (i) 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 numericals based on them.

Biology	1. Sexual reproduction in flowering plants 2. Human reproduction 3. Reproductive health 4. Principles of inheritance and variation 5. molecular basis of inheritance 6. origin of life 7. Evidences and theories of biological evolution 8. Human evolution 9. Human health and diseases 10. microbes in human welfare 11. principles and processes of biotechnology 12. Biotechnology and it's applications 13. Organisms and population 14. Ecosystem 15. Biodiversity and it's conservation
Physics	1. Electric Charges and Fields 2. Electric Dipole and Gauss' Theorem 3. Electric Potential and Potential Energy 4. Capacitor and Capacitance 5. Current Electricity 6. Magnetic Effects of Electric Current and Magnetic Field 7. Torque on Current Carrying Loop and Magnetic Dipole 8. Magnetic Classification of Substance 9. Electromagnetic Induction 10. Alternating Current 11. Electromagnetic Waves 12. Reflection of Light and Spherical Mirrors 13. Refraction and Dispersion of Light Through Prism 14. Lenses and Optical Instruments 15. Wave Nature of Light: Huygens' Principle 16. Interference of Light 17. Diffraction of Light 18. Dual Nature of Radiation and Matter 19. Atoms 20. Nuclei 21. Nuclear Energy 22. Semiconductor Electronics
Commerce	Whole book
Accounts	Whole book