

Section B : National and international governing bodies and tournament

Practical : 1. Specialisation Test, 2. Efficiency Test

FEB. : **Revision**

MORAL SCIENCE

DEC. : Ch. 7. Empower women

JAN. : Ch. 8. my Body - A Gift

FEB. : **Revision**

FINE ART

DEC. : **Paper** : 1. Still Life (1 work)

Paper : 2. Nature study (1 work)

JAN. : **Paper** : 1. Still Life (2 works)

Paper : 2. Nature study (1 work)

Paper : 6. Craft Work chikankari (1 handkerchief) (1 work)

FEB. : **Revision, Portfolio**

Note :Paper : 1. Still Life

Paper : 2. Nature study

Paper : 6. Craft Work (chikankari work)

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This Syllabus can be downloaded from our school website : www.lps-lpc.org



COURSE FOR CLASS XI (ISC) : 2024-25

HALF YEARLY EXAMINATION

HINDI

APRIL : **उपन्यास** : सारा आकाश-परिचय

व्याकरण : वाक्य शुद्धि

गद्य संकलन : पुत्र प्रेम

MAY : **सारा आकाश** : समस्या सम्बन्धी प्रश्न

व्याकरण : मुहावरे

काव्य मंजरी : एक फूल की चाह

JUNE : **व्याकरण** : अपठित गद्यांश

उपन्यास : 'समर' का चरित्र-चित्रण

JULY : **गद्य संकलन** : मजबूरी

काव्य मंजरी : बाल लीला (सूरदास)

व्याकरण : निबन्ध

AUG. : **गद्य संकलन** : गौरी

काव्य मंजरी : साखी

व्याकरण : वाक्य शुद्धि, मुहावरे

SEPT. : पुनरावृत्ति।

परियोजना कार्य : 'स्वतंत्रता प्राप्ति के आन्दोलन में गौरी का त्याग किसी देशभक्त से कम नहीं था - गौरी के चरित्र के आधार पर स्पष्ट कीजिए।

ENGLISH LANGUAGE

APRIL : Discussion of question paper pattern

Functional Grammar & Composition Writing (Narrative)

MAY : Article Writing, Comprehension & Composition Writing (Descriptive)

JUNE : Proposal Writing and Composition Writing (Argumentative)

JULY : Functional Grammar, Composition Writing (Expository) & Revision

AUG. : Speech Writing & Proposal Writing

SEPT. : Book Review, Revision and Problem Solving

ENGLISH LITERATURE

APRIL : Discussion of question paper pattern

Drama : Macbeth (Act I, Scene 1)

MAY : **Drama** : Macbeth (Act I, Scene 2)

JUNE : **Rhapsody (Poems)** : Abhisara-The Tryst

JULY : **Prism (Stories)** : A Living God

Drama : Macbeth (Revision Act I, Scene 1 & 2 Act I, Scene 3)

AUG. : **Rhapsody (Poems)** : Why I Like the Hospital

Prism (Stories) : Advice to Youth

Drama : Macbeth (Act I, Scene 4, 5, 6 & 7)

- SEPT. : Revision and Problem Solving**
MATHEMATICS
- APRIL :** Ch. 6. Quadratic Equations
 Ch. 7. Linear and Quadratic Inequalities (to be contd...)
- MAY :** Ch 7. Linear and Quadratic Inequalities, Ch. 3. Trigonometry (to be contd..)
- JUNE :** Ch. 3. Trigonometry +Revision
- JULY :** Ch. 1 Sets, Ch. 2. Relations & Functions Ch. 14. Statistics (to be contd..)
- AUG. :** Ch. 14. Statistics, Ch. 1. Statistics (Section-C)
 Ch. 2. Introduction to 3D Geometry (Section-B), Complex Number(to be contd..)
- SEPT. :** Ch. 5. Complex Numbers, Revision

PHYSICS

- APRIL : THEORY – UNIT -1. Physical World and Measurement,**
 * Mathematical tools
 (i) Units and measurements (Significant Figures)
 (ii) Dimensional Analysis
 (iii) Vector Analysis
- MAY : Theory - UNIT -2 Kinematics**
 (i) Motion in a straight line
Practical - (i) Vernier Caliper
- JUNE : Revision of Vector Analysis, Mathematical Tools & Motion in Straight Line**
- JULY : Theory - UNIT -2 Kinematics** (ii) Motion in a plane {Projectile Motion}
UNIT - 3 Laws of Motion (i) Newton's Laws of Motion (ii) Friction
 (iii) Uniform Circular Motion
UNIT - 4 Work, Power & Energy
Practical - (ii) Screw Gauge
- AUG. : Theory -UNIT - 4 Work, Power & Energy** {Continued}
UNIT - 5 Motion of system of Particles & Rigid body
 (i) Centre of Mass (ii) Rotational Motion of Rigid Body: Moment of Inertia
Practical – (iii) Calculation of value of g by simple pendulum.

- SEPT. : Revision and practical examination**
CHEMISTRY
- APRIL :** Redox Reaction
- MAY :** Classification of Elements and Periodicity in Properties including Electronic configuration. (s, p, d, f) upto Z = 30
- JUNE :** Revision of Redox Reaction & Classification of Elements and Periodicity in Properties
- JULY :** Some basic concept of chemistry, Structure of Atom
Practical : Salt Analysis - group 0 & 1
- AUG. :** Chemical bonding molecular structure
 Organic chemistry (Nomenclature and estimation only) (to be contd..)

COMPUTER SCIENCE

- DEC. :** Ch. 11. Basic input/output Data File Handling (Notes Provided)
- JAN. :** Ch. 15. Trends in Computing and Ethical Issues (notes Provided)
Project File

- FEB. :** Revision of Annual Exam Course Chapters 1 to 15

ACCOUNTS

- DEC. :** Depreciation (contid...)
- JAN. :** Depreciation, Accounts of Not for profit organisation (NPOs)
- FEB. :** Revision of Annual Exams Syllabus, Project 2

COMMERCE

- DEC. :** Nature & Scope of Foreign trade (contd...)
- JAN. :** Nature & Scope of Foreign trade, Export trade, Import trade, WTO, Business Risk & Insurance, Type of insurance

- FEB. : Revision**

ECONOMICS

- DEC. :** Dispersion
- JAN. :** Correlation, Index number
- FEB. :** Mathematical tools in economics **Revision**

HISTORY

- DEC. :** Ch. 10. Rise of Fascism under Mussolini in Italy 1919-1939
- JAN. :** Ch. 11. Rise of Nazism under Hitler in Germany 1933-1939
Project Work :

- FEB. :** Ch. 11. Rise of Militarism in Japan 1919-1937
Revision+Project work

GEOGRAPHY

- DEC. :** Ch. 24. Ocean Water Movements
Practical : Statistical Diagrams
- JAN. :** Ch. 25. The Biosphere Ch. 26. Biodiversity Ch. 27. Biodiversity for Sustenance of Mankind Ch. 28. India as a Mega Diversity Nation
 Ch. 30. Strategies for conservation of biodiversity

- FEB. : Revision**

PSYCHOLOGY

- DEC. :** Ch. 7. Thinking, Problem Solving, Creativity and Reasoning (to be contd..)
- JAN. :** Ch. 7. Thinking, Problem Solving, Creativity and Reasoning
- FEB. : Revision+Practical work**

PHYSICAL EDUCATION

- DEC. : Section A : Ch. 6. Games and Sports a Global perspective (contd..)**
Section B : National and international governing bodies and tournament (contd...)

- Practical : 1. Specialisation test, 2. Efficiency Test (Distance run)**
- JAN. : Section A : Ch. 6. Games and Sports a Global perspective**

MATHEMATICS

- DEC.** : Ch. 12. Circles, Ch. 13. Limits & Derivatives (to be contd...)
JAN. : Ch. 13. Limits & Derivatives, Ch. 15. Probability, Ch. 1. Conic sections (Section-B), Ch. 3. Mathematical Reasoning (Section-B), Ch. 2. Correlation analysis (Section-C), Ch. 3. Index numbers & Moving averages (Section-C)

FEB. : **Revision**

PHYSICS

- DEC.** : **Theory : Unit - 8 : Heat and thermodynamics**
(iii) Thermodynamics (iv) Isothermal & Adiabatic Process
Unit - 9 : Behavior of Perfect Gases and kinetic theory of Gases
JAN. : **Theory : Unit - 9 : Behavior of Perfect Gases and kinetic theory of Gases (contd...)**
Unit - 10 : Oscillations & Waves
(i) Simple harmonic motion
(ii) Free, Damped & Forced Oscillations
(iii) Waves (iv) Wave Motion (v) Superposition of Waves - 1
(vi) Superposition of Waves-2
Practical : (vi) Verification of Law of parallelogram by Gravesend's Apparatus

- FEB.** : **Theory : Unit - 10 : Oscillations & Waves**
(vii) Vibrations of Stretched Strings Revision & Practical Examinations
Revision of Annual Exam Syllabus

CHEMISTRY

- DEC.** : Equilibrium (to be contd...)
JAN. : Equilibrium, s Block, Thermodynamics (to be contd...)
Practical : Titration - Na_2CO_3 , Vs H_2SO_4 Salt Analysis - group VI
FEB. : Thermodynamics
p-Block, Environmental chemistry, **Revision**

BIOLOGY

- DEC.** : **Theory :** 18. Body fluids and circulation
JAN. : **Theory :** 19. Excretory Products and their elimination
20. Neural control and coordination, 21. Movement and Locomotion
Practical : Comment on experimental setup:
(a) Osmosis (b) transpiration (c) Photosynthesis (d) Transpiration pull

FEB. : **Theory :** 12. Chemical co-ordination, **Revision**

BIOTECHNOLOGY

- DEC.** : **Theory :** Animal and plant development (to be contd...)
JAN. : **Theory :** Animal and plant development
A : Immunology - Hummoral & Cell Mediated
B : Genetics (a) Laws of Inheritance
(b) Gene Mapping & Population genetics (to be contd...)
Practical: Preparation of karyotypes
FEB. : **Theory :** Population Genetics +Revision

Practical : Na_2CO_3 Vs HCl Titration

- SEPT.** : Organic chemicals (Nomenclature and estimation only)
Revision

BIOLOGY

- APRIL :** **Theory :** 1. Cell : The unit of life 2. Cell cycle and cell division
3. The living world
MAY : **Theory :** 4. Biological classification 5. Plant Kingdom
6. Animal kingdom (to be contd...)
Practical: Study of plant specimens.
JUNE : **Theory :** 6. Animals Kingdom
Practical: Study of Animals specimens
JULY : **Theory :** 7. Morphology of flowering plants
8. Anatomy of flowering plants
Practical: Study of Modifications of root, stem and leaf
Slide of onion peel
AUG. : **Theory :** 9. Structural Organizations in Animals
10. Biomolecules, (ii) Transport in plants
15. Plant Growth and development (to be contd...)
SEPT. : **Theory :** 15. Plant growth and development +Revision

BIOTECHNOLOGY

- APRIL :** **Theory :** 1. Introduction to Biotechnology : a) Historical Background (b) Scope and Importance of Biotech. (contd...)
Practical: 1. Study of Bioanalytical Instruments
MAY : **Theory :** 2. Scope and Importance (c) Basic concept of Biotech.
Practical: 1. Finding out of PH of water
2. Water containing acid and bases.
JUNE : **Theory :** Cell biology - Eukaryotic and prokaryotic cell, structure of Bacterial cell (to be contd...)
Practical : 1. Determination of Blood group
2. Preparation of Blood smear test (using Leishman's stain)
JULY : **Theory :** Cell Biology, Cell components (structure & function)
AUG. : **Theory :** Cell Biology, Chromosomal structure and composition
Techniques in cytology (i) Microscopy : a) SEM b) TEM
SEPT. : **Theory :** Revision

COMPUTER SCIENCE

- APRIL :** Ch. 4. Introduction to Java Language (Notes Provided)
Ch. 5. Concept of Data Types (Notes Provided)
MAY : Ch. 6. Operators and Expressions (Notes Provided)
JUNE : Ch. 7. Conditional and Looping Statements (to be contd...)
JULY : Ch. 1. Numbers, Ch. 2. Encoding, Ch. 3. Propositional Logic, Hardware Implementation, Arithmetical Operations
AUG. : Revision of Ch. 4, 5, 6 and 7
Ch. 13. Implementation of Algorithm to Solve problems

- Ch. 8. Character Handling and String Manipulations
Ch. 10. Methods and Constructors
SEPT. : Revision of Half Yearly Course Ch. 1, 2, 3, 4, 5, 6, 7, 8, 10 & 13

ACCOUNTS

- APRIL** : Evolution of Accounting & Basic Accounting Terms.
Meaning, objectives, Scope and Nature of Accounting.
Accounting Equations
MAY : Books of Original Entry -Cash Book, Accounting Principles (GAAP)
Bases of Accounting
JUNE : Accounting Standards & IFRS, Double Entry System
JULY : Books of Original Entry-Journal, GST (Goods and Services Tax)
Books of Original Entry -Special Purpose Subsidiary Books.
AUG : Ledger, Trial Balance, Final Accounts, Capital & Revenue
SEPT : Revision of Half Yearly Syllabus + Project 01

COMMERCE

- APRIL** : Classification of Human activities-Economic and non-Economic activity,
Nature and objectives of Business, Classification of business activities.
MAY : Introduction of Business Organisation, Sole trader
JUNE : Partnership
JULY : Joint stock company, Types of companies, Formation of a company
AUG. : Public enterprises, Public Utilities & Public Private Partnership
SEPT. : Revision + Project 1

ECONOMICS

- APRIL** : Definition of Economics, Definition of Statistics
MAY : Classification & Presentation of Data, Concepts of Economics,
Basic problems of an Economy
JUNE : Types of Economies
JULY : Solution to the basic Problems, Economic Growth & Development,
Parameter of development, Sustainable Development
AUG. : Changes Post liberalisation, Structural changes in the Indian economy
Economic Planning & development
SEPT. : Revision+Project (1)

HISTORY

- APRIL** : Ch. 1. Emergence of the colonial economy Part i
MAY : Ch. 1. Emergence of the colonial economy Part ii, iii
JUNE : Ch. 1. Emergence of the colonial economy Part iv
JULY : Ch. 2. Social Movements, Ch. 3. Protest movements against colonial rule
AUG. : Ch. 7. World War I, Ch. 8. The Great Depression (contd...)
SEPT. : Ch. 8. The Great Depression +Revision +Project Work

GEOGRAPHY

- APRIL** : Ch. 1. Geography As a Discipline Ch. 2. Formation of the Earth
Ch. 3. Interior of the Earth Ch. 4. Rocks

- DEC.** : **Practical** : 1. Specialisation Test, 2. Efficiency Test (Sit ups)
Revision

MORAL SCIENCE

- OCT.** : Ch. 5. Differences complement
NOV. : Ch. 6. Human Rights
DEC. : **Revision**

FINE ART

- OCT.** : **Paper** : 1. Still Life (1 work)
Paper : 2. Nature study (1 work)
Paper : 6. Chikankari embroidery (2 handkerchief)
NOV. : **Paper** : 1. Still Life
Paper : 2. Nature study
Paper : 6. Craft Work chikankari (1 handkerchief)
DEC. : **Revision, Portfolio**
Note :Paper : 1. Still Life
Paper : 2. Nature study
Paper : 6. Craft Work (chikankari work)

ANNUAL EXAMINATION

HINDI

- DEC.** : **उपन्यास** : बाबूजी का चरित्र-चित्रण
गद्य संकलन : 'सती'
JAN. : **काव्य मंजरी** : आ: धरती कितना देती है।
गद्य संकलन : भक्तिन
FEB. : **व्याकरण** : वाक्य शुद्धि, मुहावरे
समस्त पाठ्यक्रम की पुनरावृत्ति।
परियोजना कार्य : 'स्वास्थ्य ही धन है।'

ENGLISH LANGUAGE

Discussion of Question Paper

- DEC.** : Discussion of MCQ Examination Paper, Functional Grammar
JAN. : Statement of Purpose, Functional Grammar & Composition Writing
FEB. : Comprehension+Revision and Problem Solving

ENGLISH LITERATURE

Discussion of MCQ Examination Paper

- DEC.** : **Rhapsody (Poems)** : Strange meeting
Drama : Macbeth (Revision of Act I)
JAN. : **Prism (Stories)**: The Great Automatic Grammatizator
Drama : Macbeth (Revision of Act II)
FEB. : Revision and Problem Solving

DEC : Revision of MCQ Syllabus Ch. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13 & 14

ACCOUNTS

OCT : Rectification of Errors, Bills of Exchange Contd...

NOV : Bills of Exchange, Provision & Reserves
Final Accounts with adjustments

DEC : Revision of MCQ Syllabus

COMMERCE

OCT. : Cooperative Organisation, E-Business and Outsourcing, Social responsibility of business and Business Ethics, Stock Exchange

NOV. : Wholesale trade, Retail trade, Procedure and documents used in home trade, Chamber of commerce

DEC. : **Revision, MCQ**

ECONOMICS

OCT. : Problem of poverty, Profile of agriculture, Human capital formation

NOV. : Problem of unemployment, Measures of central tendency
Revision +Project (2)

DEC. : **Revision**

HISTORY

OCT. : Ch. 4. Growth of Nationalism

Ch. 9. Rise of communism under stalin in Russia 1928-1939

NOV. : Ch. 5. Gandhian Nationalism 1916-1922

Ch. 6. Gandhian Nationalism 1927-1937

DEC. : **Revision**

GEOGRAPHY

OCT. : Ch. 17. Composition and structure of Atmosphere

Ch. 18. Insolation and Temperature,

Ch. 19. Atmospheric Pressure and Winds, Ch. 20. Atmospheric Moisture

NOV. : Ch. 20. Atmospheric Moisture (contd...), Ch. 32. Climate Change

Ch. 21. Submarine Relief, Ch. 22. Marine Life and Deposits

Ch. 23. Temperature, Salinity and Density of ocean water

DEC. : **Revision**

PSYCHOLOGY

OCT. : Ch. 5. Learning

NOV. : Ch. 6. Remembering and Forgetting

DEC. : **Revision**

PHYSICAL EDUCATION

OCT. : **Section A** : Ch. 4. Nutrition, Weight control and Exercise

Section B : Basic Skills and technique of the games.

Practical : 1. Specialisation test, 2. Efficiency Test (Shuttle run)

NOV. : **Section A** : Ch. 5. Physical fitness and wellness

Section B : Different type of signals

MAY : Ch. 4. Rocks (contd...)

Ch. 5. Endogenous Processes and Associated Landforms

Ch. 6. Drifting of continents and Plate Tectonics Ch. 7. Isotasy

Practical : Surveying

JUNE : Ch. 8. Volcanoes and Earthquakes

JULY : Ch. 9. Exogeneous Processes and Associated Landforms,
Ch. 10. Soils Ch. 11. Fluvial Process and Associated Landforms

Practical: Map Projection

AUG. : Ch. 12. Aeolian Processes and Associated Landforms

Ch. 13. Glacial Processes and Associated Landforms

Ch. 14. Work of Ground water and Associated Landforms

Ch. 15. Marine Processes and Associated Landforms

Project: World's Island (any one)

SEPT. : **Map Work+Revision**

PSYCHOLOGY

APRIL : Ch. 1. What is Psychology ?

MAY : Ch. 2. Methods of Psychology

JUNE+JULY: Ch. 3. Sensation, Attention and Perception

AUG. : Ch. 4. Motivation and Emotions **+Practical Work**

PHYSICAL EDUCATION

APRIL : **Section A** : Ch. 1. Concept of Physical Education

Section B : Ch. 1. Knowledge of the Games and Sports & Rules
and regulation of the game

Practical : 1. Specialisation test, 2. Efficiency test (50 m run)

MAY : **Section A** : Ch. 1. Concept of Physical Education and

Ch. 2. Individual aspects and group dynamics

Section B : Rules and regulations of the game and important terminology

Practical : 1. Specialisation test, 2. Efficiency test (standing long jump)

JUNE : **Revision & Practical**

JULY : **Section A** : Ch. 3. Effect of Physical Exercise on Human body systems

Section B : Duties of the officials and Laws governing the game

Practical : 1. Specialisation test, 2. Efficiency test (push up)

AUG. : **Section A** : Ch. 1. Concept of Physical Education (Revision)

Ch. 2. Individual Aspects and group dynamics (Revision)

Practical : 1. Specialisation test, 2. Efficiency test (50 m run)

SEPT. : **Revision (Section A & B)**

MORAL SCIENCE

APRIL+MAY: Ch. 1. Make a Difference

JUNE+JULY: Ch. 2. Be On Line

AUG. : Ch. 3. Taste and See

SEPT. : Ch. 4. Give Yourself to Others

FINE ART

- APRIL** : **Paper** : 1. Still life (1 work)
Paper : 2. Nature study (1 work)
- MAY** : **Paper** : 1. Still life (1 work)
Paper : 2. Nature study (1 work)
- JUNE** : **Paper** : 6. Chikankari work
- JULY** : **Paper** : 1. Still life (2 work)
Paper : 2. Nature study (2 work)
- AUG.** : **Paper** : 1. Still life (2 work)
Paper : 2. Nature study (2 work)
- SEPT.** : **Revision Portafolio paper 6. Chikankari (1 handkerchief)**

M.C.Q. EXAMINATION

HINDI

- OCT.** : **गद्य संकलन** : क्या निराश हुआ जाए ?
उपन्यास : 'प्रभा' का चरित्र-चित्रण
व्याकरण : मुहावरे, अपठित गद्यांश
- NOV.** : **काव्य मंजरी** : रुद्रमी नर, नदी के द्वीप
उपन्यास : 'अम्मा' का चरित्र-चित्रण
- DEC.** : पुनरावृत्ति

ENGLISH LANGUAGE

Discussion of Question Paper

- OCT.** : Newspaper Report, Functional Grammar & Composition writing (Story writing)
- NOV.** : Proposal Writing, Comprehension & composition Writing (Reflective)
- DEC.** : Revision and Problem Solving

ENGLISH LITERATURE

Discussion of Question Paper

- OCT.** : **Rhapsody (Poems)** : Death of a Naturalist
Prism (Stories): The Paper Menagerie
Drama : Macbeth (Act II, Scene 1 & 2)
- NOV.** : **Rhapsody (Poems)** : Sonnet 116
Prism (Stories): Thank you Ma'am
Drama : Macbeth (Act II, Scene 3 & 4)
- DEC.** : Revision and Problem Solving

MATHEMATICS

- OCT.** : Ch. 10. Sequences and Series, Ch. 4. Principle of Mathematical Induction, Ch. 11. Straight Lines (to be contd...)
- NOV.** : Ch. 11. Straight Lines, Ch. 8. Permutations and Combinations
Ch. 9. Binomial Theorem (Revision)
- DEC.** : **Revision**

PHYSICS

- OCT** : **Theory** : **Unit- 6 Gravitation**
Unit- 7 Properties of Matter (i) Elasticity
(ii) Fluid Pressure (iii) Flow of Liquids (iv) Surface Tension
Practical : (iv) Spherometer, to find the radius of curvature of curved surface
- NOV.** : **Theory** : **UNIT- 8 Heat and thermodynamics** : (i) Thermal Properties of Matter (ii) Heat transfer
Practical : (v) Calculation of spring Constant
- DEC** : **Revision for MCQ Examination**

CHEMISTRY

- OCT.** : Organic chemistry (Isomerism & Reaction mechanism)
States of Matter, Hydrocarbon (to be contd..)
Practical : Salt Analysis - group II & III
- NOV.** : Hydrocarbon, Hydrogen
Practical : Salt Analysis - group IV & V
- DEC.** : **Revision**

BIOLOGY

- OCT.** : **Theory** : 12. Mineral Nutrition, 13. Photosynthesis In Higher Plants, 14. Respiration In Plants
Practical : To study the effect of thawing, Heat and Alcohol on Permeability of Beet Root cells.
Effect of Different CO₂ concentration on the rate of Photosynthesis
- NOV.** : **Theory** : 16. Digestion and absorption
17. Breathing and Exchange of gases
Practical : Sparation of plant pigment by paper chromatography
- DEC.** : **Revision**

BIOTECHNOLOGY

- OCT.** : **Theory** : Biomolecules, Cell division and cell cycle
Practical: Finding out purity of Milk
- NOV.** : **Theory** : Errors In cell division, Biological transformation concept of Mutation
Practical: 1. Observation of permanent slides of meiosis under microscope
2. Sampling technique
- DEC.** : **Revision of MCQ**

COMPUTER SCIENCE

- OCT** : Ch. 9. Arrays (with address calculation) (to be contd...)
- NOV'** : Ch. 12. Recursion
Ch. 14. Packages (Notes Provided)