

MORAL SCIENCE

- OCT. : Ch. 13. Sex in Media
NOV. : Ch. 14. Lights of the World
DEC. : Revision

FINE ART

- OCT. : Paper : 2. Nature Study (2 works)
Paper : 1. Still Life (1 work)
NOV. : Paper : 1. Still Life (1 work)
Paper : 2. Nature study (1 work)
Paper : 6. Chikankari Handkerchief (1 work), Revision Portfolio
Note:-Paper : 1. Still Life
Paper : 2. Nature study
Paper : 6. Craft work (Chikankari work)
DEC. : Paper : 6. Chikankari Handkerchief (1 work), Revision Portfolio
Jan. : Paper : 1. Still Life
Paper : 2. Nature study
FEB. : Revision Portfolio
Paper : 1. Still Life
Paper : 2. Nature study
Paper : 6. Craft Work (chikankari embroidery)

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



COURSE FOR CLASS XII (ISC) : 2024-25

I TERM EXAMINATION

HINDI

- MARCH : सारा आकाश : दिवाकर का चरित्र-चित्रण
APRIL : गद्य संकलन : शरणागत
काव्य मंजरी : अँधेरे का दीपक
व्याकरण : मुहावरे, अपठित गद्यांश
MAY : गद्य संकलन : आउट साइडर
काव्य मंजरी : बादल को घिरते देखा है।
JUNE : व्याकरण : निबन्ध लेखन, वाक्य शुद्धि।
JULY : समस्त पाठ्यक्रम की पुनरावृत्ति
नोट:- कक्षा XI का समस्त पाठ्यक्रम सम्मिलित होगा।

ENGLISH LANGUAGE

- MARCH : Discussion of Question Paper Pattern
APRIL : Functional Grammar & Composition Writing (Narrative), Proposal
Writing comprehension Passage
MAY : Speech Writing, Functional Grammar, Composition (Descriptive)
JUNE : Proposal Writing
JULY : Revision and Problem Solving

ENGLISH LITERATURE

- MARCH : Discussion of question paper pattern
APRIL : Story : Atithi / Guest
Drama : Macbeth (Act III, Scene I, II & III)
MAY : Poem : Telephonic conversation
Drama : Macbeth (Act III, Scene IV, V & VI)
JUNE : Story : There Will Come Soft Rains
Poem : Small Towns and the River
JULY : Revision and Problem Solving

MATHEMATICS

- MARCH : Ch. 1. Relations and Functions (to be contd...)
APRIL : Ch. 1. Relations and Functions
Ch. 2. Inverse Trigonometric Functions, Ch. 3. Matrices,
Ch. 4. Determinants
MAY : Ch. 5. Continuity and Differentiability
JUNE : Ch. 1. Vectors (Section-B)
Ch. 1. Application of Calculus in Commerce & Economics (Section-C)
JULY : Revision

PHYSICS

- MARCH :** **Theory :** **Unit - 6, Optics** {Ray and wave optics}
(i) Reflection of light - spherical mirror
(ii) Refraction of light at plane interface
- APRIL :** **Theory :** **Unit - 6, Optics** {Ray and wave optics}
(iii) Refraction of light at spherical surfaces - Lenses
(iv) Refraction and Dispersion of light through prism
(v) Optical instruments
(vi) Wave nature of light, Huygen's Principle
(vii) Interference of light
(viii) Diffraction of light
- Practical :** (1) To determine the focal length of convex lens by u-v method
- MAY :** **Theory :** **Unit - 6, Optics** {Ray and wave optics}
(ix) Polarisation
- Theory :** **Unit - 1 Electrostatics**
(i) Electric Charges and fields
(ii) Gauss' Theorem
(iii) Electric Potential
- Practical :** (2) Experiment Based on Meter Bridge (Unknown Resistance)
- JUNE :** **Revision of Course**
- JULY :** **First Term Examination**

CHEMISTRY

- MARCH :** d and f block elements (to be contd...)
- APRIL :** d and f block elements
Co-ordination compounds, Solutions (to be contd...)
Practical : Salt Analysis (0 and I gp)
- MAY :** Solution, Haloalkanes and haloarenes (to be contd...)
Practical : Titration-KMnO₄ Vs Oxalic acid
- JUNE :** Haloalkanes and Haloarenes
Practical : Aniline and glycerol, Revision
- JULY :** Revision

BIOLOGY

- MARCH :** **Theory :** 2. Sexual Reproduction in flowering plants (to be contd...)
- APRIL :** **Theory :** 2. Sexual Reproduction in flowering plants
3. Human reproduction, 4. Reproductive Health
5 Principle of Inheritance (contd...)
Practical : Families : Malvaceae, Legumincea and solana ceae, slide of ovary (basal and Marginal placentation)
- 2. Spotting :** T.S. or Mammalian T.S. testis, T.S. Blastula
- MAY :** **Theory :** 5. Principle of Inheritance
6. Molecular basis of inheritance (i) Reproduction in organism
Practical : Slide Preparation : germination of pollen grain In nutrient medium, Distribution of stomata on both surfaces of leaf

COMMERCE

- OCT. :** Controlling, Marketing-concepts and functions, Marketing Mix. (contd..)
- NOV. :** Marketing Mix. , Consumer Protection, Revision
- DEC. :** **Revision, I Pre Board Examination**
- JAN. :** **Revision, II Pre Board Examination**

ECONOMICS

- OCT. :** Theory of income and employment, Commercial & Central Bank, Balance of payment
- NOV. :** Circular flow of Income & Employment, National income aggregates, Methods of measuring National income
- DEC. :** **Revision, I Pre Board Examination**
- JAN. :** **Revision, II Pre Board Examination**

HISTORY

- OCT. :** Ch. 9. Cold War 1945-1991
Ch. 10. Protest Movements-Civil Rights, Anti Apartheid Movement and Feminist Movement
- NOV. :** Ch. 11. Middle East-Israeli Palestine conflict
- DEC. :** **Revision**
- JAN. :** **Revision**

GEOGRAPHY

- OCT. :** Ch. 14. Agriculture Ch. 15. Fisheries
Ch. 16. Minerals and Power Resources
Ch. 17. Transport and Communication
Practical : Interpretation of Toposheet
- NOV. :** Ch. 18. Industries Ch. 19. Tourism Industry
Ch. 20. Regional Economic Development
- DEC. :** **Revision**

PSYCHOLOGY

- OCT. :** Ch. 6. Social Thought and Social Behaviour
Ch. 7. Attitude, Prejudice and Stereotypes+Practical Work
- NOV. :** Ch. 8. Applications of Psychology to different areas of life
- DEC. :** **Revision**

PHYSICAL EDUCATION

- OCT. :** **Section A :** Ch. 5. Health education and Health Problems
Section B : Different types of signals
Practical : 1. Specialisation test, 2. Efficiency Test (sit up)
- NOV. :** **Section A :** Ch. 6. sports injuries and first aid
Section B : national and International governing bodies and tournaments
Practical : 1. Specialisation Test, 2. Efficiency Test (Revision)
- DEC+JAN. :** **Revision**

JAN. : Revision of full course II Pre- Board Examination
Note:- All topics must be covered as per council syllabus

CHEMISTRY

OCT. : Nitrogen containing compounds, Biomolecules, Polymer, p-Block elements
Practical : HCHO, Aetone, Rate of Reaction

NOV. : Electrochemistry, Solid states, General Principle and Processes of Isolation of elements
Practical : C₆H₅COOH, Carbohydrate and proteins

DEC. : Salt Analysis - group IV, V, & VI, **Revision**

BIOLOGY

OCT. : Theory : Ch. 11. Biotech. Principles and Processes, Ch. 12. Biotechnology Acid Its Applications, Ch. 13. Ecosystem (to be contd..)
Practical : Ecological Adaptations
Flower Adapted to Pollination

NOV. : Theory : 14. Ecosystem 15. Biodiversity and its conservation
16. Environmental Issues

DEC. : Revision

BIOTECHNOLOGY

OCT. : Theory : Ch. 7. Microbial culture and application
Ch. 8. Plant tissue culture and its applications
Practical: 9. Isolation of milk protein, 10. Grain staining techniques

NOV. : Theory : Ch. 9. Animal cell culture and its application
Unit : 4. Bioinformatics,
Ch. 10. Bioinformatics (introduction to genomics and proteomics)

DEC. : Revision

COMPUTER SCIENCE

OCT : Ch. 13. Data Structure
NOV : Ch. 13. Data Structure (to be contd...)
Ch. 14. Computational Complexity and big-O notation

Project file

DEC+JAN. : Revision

ACCOUNTS

OCT : Issue of Shares
Issue of Debentures

NOV : Redemption of Debentures
Cash Flow Statement
Revision of 1 Pre Board Exam Syllabus

DEC : Revision of 1 Pre Board Exam Syllabus
Revision for II Pre Board Exams.

JAN : Revision for II Pre Board Exams.

JUNE : Practical: Soil profile

JULY : Revision

BIOTECHNOLOGY

MARCH : Unit-1. (Theory) : Molecular Biology
a. Nucleic acid and their estimation (contd...)

APRIL : a. Nucleic acid and their estimation
i) Protein synthesis (ii) replication
(iii) gene regulation (central dogma, Lac operon and Tryptophan operon)

Unit - 2. Genetic engineering concept
Ch. 3. Concept of gene cloning and cloning vectors

Practical : 1. preparation of Buffer solution (only acetate buffer)

MAY : 3. Introduction to gene cloning (to be contd..)
Practical: 2. Paper chromatography, 3. Action of enzyme on starch,

JUNE : Revision
Revision+Ch. 4. Innovations in biotechnology (to be contd...)

COMPUTER SCIENCE

MARCH : Ch. 1. Boolean Algebra

APRIL : Ch. 1. Boolean Algebra (to be contd...)
Ch. 2. Computer Hardware

MAY : Ch. 4. Implementation of Algorithm to Solve Problems, Ch. 5. Data types and Variables (Notes provided), Ch. 6. Statements and Score (Note Provided), Ch. 7. String Manipulations

JUNE : Ch. 9. Methods (Functions)
Ch. 10. Class as user Defined and constructors (without object Passing)

JULY : Ch. 11. Recursion

ACCOUNTS

MARCH : Fundamentals of Partnership contd....

APRIL : Fundamentals of Partnership, Goodwill [Concepts and Valuations], Admission of a New Partner contd....

MAY : Admission of a New Partner, Financial Statements of Companies
Accounting Ratios (Profitability Ratio ONLY)

Project work

JUNE : Analysis of Financial Statements, Comparative Statements

JULY : Revision of 1 Term Syllabus

COMMERCE

MARCH : Business Environment (contd...)

APRIL : Business Environment, Capital-Fixed and working, Sources of Finance for joint stock company, Banking-Latest Trends (contd...)

MAY : Banking-Latest Trends, Management- Nature and Importance
Principles of Management (contd...)

JUNE : Principles of Management +Project-I, Revision

JULY : Revision

ECONOMICS

- MARCH** : Demand & Law of Demand (contd...)
APRIL : Demand & Law of Demand, Elasticity of demand, Supply & Elasticity of supply, Theory of Consumer Equilibrium
MAY : Equilibrium Price & Quantity, Money, Forms of Market, Project 1+2
JUNE : Revision
JULY : Revision

HISTORY

- MARCH** : Ch. 1. Towards Independence and Partition : The Last Phase (contd...)
APRIL : Ch. 1. Towards Independence and Partition : The Last Phase
Ch. 2. Establishment and Development of Indian Democracy
Ch. 3. Challenges to Indian Democracy / Development of Indian democracy 1964-1977 (contd...)
MAY : Ch. 3. Challenges to Indian Democracy/Development of Indian democracy 1964-1977, Ch. 7. World War - II
JUNE : Ch. 8. Decolonisation in Asia and Africa
JULY : **Revision+Project work**

GEOGRAPHY

- MARCH** : Ch. 1. Location setting of India
APRIL : Ch. 2. Geological Evaluation and structure Ch. 3. Relief
Ch. 4. Drainage, Ch. 5. Climate
Practical : Understanding and Illustrating locational reference of SOI Maps
MAY : Ch. 6. Natural vegetation Ch. 7. Population Ch. 8. Migration Trends
Practical : Plane Table surveying
JUNE : Map Work (India) +Revision

PSYCHOLOGY

- MARCH** : Ch. 1. Intelligence and Ability (to be contd...)
APRIL : Ch. 1. Intelligence and Ability, Ch. 2. Personality
MAY : Ch. 3. Life Span Development
Ch. 4. Stress and Stress management (to be contd..)+Practical Work
JUNE : Ch. 4. Stress and Stress management
JULY : Revision

PHYSICAL EDUCATION

- MARCH** : **Section A** : Ch. 4. Competition and Tournaments (contd...)
Section B : Knowledge of the games
APRIL : **Section A** : Ch. 4. Competition and Tournament
Section B : Knowledge of the games, Rules & Regulations and Important terminology
Section A : Ch. 2. Training Methods (contd...)
Practical : 1. Specialisation test, 2. Efficiency test (50 m run)

ENGLISH LANGUAGE

- OCT.** : **Discussion of Question Paper**
Article writing, Functional Grammar, Composition (Argumentative)
NOV. : Composition (Reflective, Story writing) Book review
DEC. : Practice through previous year board papers and sample papers

ENGLISH LITERATURE

- OCT.** : **Discussion of Question Paper**
Poem : Death Be Not Proud
Story : The Medicine Bag
Drama : Macbeth (Act V, Scene I, II & III)
NOV. : **Poem** : Tithonus
Story : Indigo
Drama : Macbeth (Act V, Scene IV to IX)
DEC. : Revision and Problem Solving
Practice through previous Year Board Papers & Sample papers

MATHEMATICS

- OCT.** : Ch. 9. Differential Equations,
Ch. 10. Probability (to be contd...)
NOV. : Ch. 10. Probability
Ch. 2. Three Dimensional Geometry (Section-3)
Ch. 3. Linear Programming +Revision
DEC+JAN. : **Revision**

PHYSICS

- OCT** : **Theory** : **Unit : 4. Electromagnetic Induction & Alternating Current**
(ii) Alternating Current
Unit : 5. Electromagnetic Waves
Unit : 7. Dual Nature of Radiation & Matter
(i) Photoelectric Effect (ii) Matter waves
Practical : (5) Specific Resistance by meter-bridge
NOV. : **Theory** : **Unit : 8. Atoms & Nuclei**
(i) Bohr's theory of hydrogen Atom
(ii) Nuclear structure
(iii) Mass Energy Equivalence
(iv) Nuclear fusion and fission
Unit : 9. Electronic Devices
(i) Semiconductor Electronics
(ii) Junction Diodes
(iii) Junction Transistors
(iv) Logic Gates
Unit : 10. Communication Systems
DEC : **Revision of full course I Pre- Board Examination**

PSYCHOLOGY

- JULY** : Ch. 5. Psychological Disorders and Psychotherapy (to be contd...)
AUG. : Ch. 5. Psychological Disorders and Psychotherapy
SEPT. : Revision

PHYSICAL EDUCATION

- JULY** : **Section A** : Ch. 3. Career Aspects in Physical Education
Section B : Duties of the officials and law of governing the game
Practical : 1. Specialisation test, 2. Efficiency test (distance up)
AUG. : **Section A** : Ch. 3. Career Aspects in Physical Education
Ch. 1. Sociological aspects of Physical Education
Section B : Basic skills and techniques of the games
Practical : 1. Specialisation test, 2. Efficiency test (push up)
SEPT. : **Revision (Section A & B)**

MORAL SCIENCE

- AUG.** : Ch. 11. Earth's Future in My Hands
SEPT. : Ch. 12. Real and Reel Violence

FINE ART

- JULY** : **Paper** : 1. Still Life (1 work)
AUG. : **Paper** : 2. Nature study (2 work)
Paper : 1. Still Life (1 work)
Paper : 6. Chikankari Handkerchief (2 work)
SEPT. : **Revision Portfolio**
Note :- Paper : 1. Still Life
Paper : 2. Nature Study
Paper : Craft Work (Chikankari work)

PRE BOARD EXAMINATION

HINDI

- OCT.** : **काव्य मंजरी** : जाग तुझको दूर जाना है।
व्याकरण : निबन्ध लेखन
सारा आकाश: नारी उत्पीड़न पर आधारित प्रश्न
NOV. : **गद्य संकलन** : दासी
सारा आकाश: शिरीष का चरित्र-चित्रण
व्याकरण : मुहावरे, निबन्ध।
DEC. : पुनरावृत्ति
परियोजना कार्य : तुलसी के काव्य में निरूपित लोकमंगल की भावना।
नोट:- कक्षा XI एवं XII के समस्त पाठ्यक्रम की पुनरावृत्ति।
JAN : पुनरावृत्ति

- MAY** : **Section A**: Ch. 2. Training Methods
Section B: Knowledge of dimensions of the field, equipment of the game
Practical : 1. Specialisation test, 2. Efficiency test (standing long jump)
JUNE : **Revision+Practical**
JULY : **Revision**

MORAL SCIENCE

- MARCH+APRIL**: Ch. 1. Fascinating Illusions
MAY+JUNE: Ch. 10. Caught in the Net
JULY : Revision and Problem Solving

FINE ART

- MARCH**: **Paper** : 1. Still Life (1 work)
APRIL : **Paper** : 1. Still Life (2 works)
Paper : 2. Nature study (2 works)
MAY : **Paper** : 1. Still life (1 work)
Paper : 2. Nature study (1 work)
JUNE : **Paper** : 6. Chikan work Handkerchief (1 work)
JULY : **Revision Portfolio**
Note :- Paper : 1. Still Life
Paper : 2. Nature study
Paper : 6. Craft Work (chikankari)

II TERM EXAMINATION

HINDI

- JULY** : **सारा आकाश** : भाभी का चरित्र-चित्रण
व्याकरण : अपठित गद्यांश
AUG. : **काव्य मंजरी** : तुलसी के पद
गद्य संकलन : संस्कृति क्या है ?
व्याकरण : निबन्ध
नोट:- (द्वितीय चरण की परीक्षा में प्रथम तथा द्वितीय दोनों चरणों का पाठ्यक्रम सम्मिलित होगा)
SEPT. : पुनरावृत्ति

ENGLISH LANGUAGE

- JULY** : Discussion of Question Paper
Statement of purpose, Functional Grammar
AUG. : Comprehension Passage, Composition (Expository),
News paper Report
SEPT. : Proposal Writing

ENGLISH LITERATURE

- JULY** : **Discussion of Question Paper**
Story : The Cookie Lady
AUG. : **Drama**: Macbeth (Act IV, Scene I & II)
Poem : Beethoven
SEPT. : **Drama**: Macbeth (Act IV, Scene III), Revision & Problem Solving

MATHEMATICS

- JULY** : Ch. 6. Indeterminate forms,
Ch. 7. Application of Derivatives (to be contd..)
AUG. : Ch. 7. Application of Derivatives, Ch. 8. Integrals
SEPT. : Ch. 3. Application of integrals (Section-B), Ch. 2. Linear Regression
(Section-C), Revision

PHYSICS

- JULY** : **Theory : Unit - 1 Electrostatics**
(iv) Capacitors and Dielectrics
Theory : Unit - 2 Current Electricity
(i) Electric Resistance and ohm's law
Practical : (3) Displacement Method
AUG. : **Theory : Unit - 2 Current Electricity**
(ii) D.C. Circuits & Measurement
(i) Moving Charges and Magnetic Field
(ii) Torque on Current Loop
(iii) Magnetic field and Earth's magnetism
(iv) Magnetic Classification of Substances
Practical : (4) Experiment Based on Meter Bridge using Voltmeter
and Ammeter
SEPT. : **Theory : Unit - 4 Electromagnetic Induction & Alternating Current**
(i) Electromagnetic Induction & Revision

CHEMISTRY

- JULY** : Chemical Kinetics
Practical : Salt Analysis II and III group
AUG. : Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic
Acid (to be contd...)
Practical : Titration - KMnO_4 Vs Molar's salt
SEPT. : Aldehydes, Ketones and Carboxylic Acid, Chemistry in Everyday life,
Surface chemistry, Revision

BIOLOGY

- JULY** : **Theory** : 7. Evolution
8. Human Health and Diseases (to be contd...)
AUG. : **Theory** : 8. Human Health and Diseases
9. Strategies for Enhancement in food production
10. Microbes in human welfare (contd...)
Practical : Isolation of DNA, Spotting : Plasmodium, entamoeba,
Effect of temperature and pH on salivary amylase
SEPT. : **Theory** : 10. Microbes in human welfare +Revision

BIOTECHNOLOGY

- JULY** : Ch. 4. Innovations in Biotechnology, Ch. 5. Gene analysis techniques
Practical : 4. DNA Isolation

- AUG.** : **Theory** : **Unit - 3** Cell culture technology,
Ch. 6. General tools and Techniques :
(a) Instruments (only uses)
(b) Techniques (Sterilization, Cryopreservation,
Cell counting, Types of culture media
Practical : 5. Preparation of culture media
6. Inoculation and incubation of lactobacillus on culture media
7. Cell viability test by Evan's blue dye

- SEPT.** : Revision, Ch. 7. Microbial culture and application (to be contd...)

COMPUTER SCIENCE

- JULY** : Ch. 8. Arrays
AUG. : Ch. 8. Arrays (to be contd...)
Ch. 12. Inheritance, Interface and Polymorphism
SEPT. : Ch. 10. Class as user defined and constructors (object passing)

ACCOUNTS

- JULY** : Retirement & Death of a Partner
Dissolution of a Partnership Firm contd...
AUG. : Dissolution of a Partnership Firm, Accounting Ratios
Common Size Statements
SEPT. : Revision of II Term Syllabus

COMMERCE

- JULY** : Functions of management and Coordination
AUG. : Planning, Organising, Staffing, Directing (contd...)
SEPT. : Directing, +Project II and Revision

ECONOMICS

- JULY** : Laws of Return, Cost & Revenue
AUG. : Producer's Equilibrium, Determination of Eq. Price & Quantity under
perfect competition, Budget, Fiscal policy (contd...)
SEPT. : Fiscal Policy, Revision

HISTORY

- JULY** : Ch. 4. Changing face of Indian Democracy (contd....)
AUG. : Ch. 4. Changing face of Indian Democracy, Ch. 5. India's foreign policy,
Ch. 6. Movement for Women's Rights (contd...)
SEPT. : Movements for Women's Rights +Revision +Project work

GEOGRAPHY

- JULY** : Ch. 9. Demographic Attributes, Ch. 10. Rural development
Practical: Drawing of cross section or profiles of important contours
AUG. : Ch. 11. Urban Settlement
Ch. 12. Environmental Management and Land use pattern
Ch. 13. Water Resources
SEPT. : **Revision**
Project: Multipurpose River Valley Project