

NOV. : Ch. 9 Heredity and Evolution
Practical 3 : Studying (a) Binary fission in Amoeba and (b) Budding in Hydra and Yeast with the help of permanent slides.

Practical 4 : Identification of different parts of an embryo of a dicot seed (pea, gram or red kidney bean) + Revision

DEC. : Revision

JAN. : Revision

COMPUTER SCIENCE

SEPT. : Internet OCT. : Functions

NOV. : File Manipulation DEC. : Revision

JAN. : Revision

SOCIAL SCIENCE

SEPT. + OCT. : **History**: Ch. 6 Work, Life and Leisure,
Ch. 7 Print Culture and Modern World

Civics : Ch. 6 Political Parties

Geo. : Ch. 5 Minerals and Energy Resources

Eco. : Ch. 4 Globalisation and the Indian Economy

NOV. : **History**: Ch. 8 Novels, Society and History

Civics : Ch. 7 Outcomes of Democracy,
Ch. 8 Challenges to Democracy

Geo. : Ch. 7 Lifelines of National Economy

Eco. : Ch. 5 Consumer's Rights

DEC. + JAN. : Revision and Map Work

COMMERCE

SEPT. : Communication System

OCT. : Time and Labour Saving Appliances in Business Office, Home Trade,
Wholesale Trade, Retail Trade, Account Sale

NOV. : Commercial Banks, Indigenous Bankers, Bank Reconciliation
Statement, Co-operative Banks, Factor of Production

DEC. : Revision

JAN. : Revision

MORAL, YOGA, SPORTS AND PHYSICAL EDUCATION

OCT. : Growth and Development

NOV. : Physical Fatigue and Mental Stress

DEC. : Revision

JAN. + FEB. : Revision

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

COURSE FOR CLASS X (UP BOARD) : 2022-23



I TERM EXAMINATION

HINDI

MAR. : **हिन्दी व्याकरण – उपसर्ग** – अ, अन, अधि, अप, अनु, उप, सह, निर्, अभि, परि, सु।

प्रत्यय – आई, त्व, ता, पन, वा, हट, वट,

तत्सम, तद्भव, पर्यायवाची

समास – द्वन्द्व, द्विगु, कर्मधारय, बहुव्रीहि

शब्द रूप – फल, मति, मधु

धातु रूप – पठ्, हस्, दृश्

APRIL : **हिन्दी वाक्यों का संस्कृत में अनुवाद, कण्ठस्थ श्लोक**

सन्धि – यण्, वृद्धि

जय सुभाष – प्रथम, द्वितीय, तृतीय सर्ग का सारांश, सुभाष जी का चरित्र-चित्रण

रस – हास्य व करुण

छन्द – सोरठा व रोला

अलंकार – उपमा, रूपक, उत्प्रेक्षा

गद्य साहित्य का इतिहास – शुक्ल युग के प्रश्नोत्तर।

गद्य संकलन – पाठ-ममता, मित्रता (जीवनी, गद्यांश पर आधारित प्रश्नोत्तर)

काव्य साहित्य का इतिहास – रीतिकाल के प्रश्नोत्तर।

काव्य संकलन – सूरदास

MAY : **काव्य संकलन** – तुलसीदास, रसखान।

संस्कृत परिचायिका – पाठ- वाराणसी, अन्योक्तिविलासः, वीरः वीरेण पूज्यते

JUNE : निबन्ध

JULY : पुनरावृत्ति।

ENGLISH

MAR. + APRIL : **First Flight** : Ch. 1 A Letter to God,

Ch. 2 Nelson Mandela : Long Walk to Freedom

Poem : Dust of Snow, Fog

Footprints without Feet : Ch. 1 A Triumph of Surgery

Language : Re-ordering of Sentences, Correct Use of Articles,
Tenses, Modals, Letter Writing

MAY : **Poem** : A Tiger in the Zoo, Fire and Ice

Footprints without Feet : Ch. 2 The Thief's Story,

Ch. 3 The Midnight Visitor

Language : Active & Passive Voice, Direct a& Indirect Speech,
Translation, Essay Writing

JUNE : Revision
JULY : Revision

MATHEMATICS

MAR. : Ch. 1 - Real Numbers
APRIL : Ch. 8 - Introduction to Trigonometry,
Ch. 9 - Some Applications of Trigonometry, Ch. 2 - Polynomials
MAY : Ch. 4 - Quadratic Equations, Ch. 5 - Arithmetic Progression
JUNE : Revision
JULY : Revision

PHYSICS

MAR. : **Ch. 1 Light - Reflection** : Introduction : Light and Its Properties,
Reflection of Light
APRIL : **Ch. 1 & 2** : Relevant Terms, Laws of Reflection, Types of Mirrors,
Reflection of Light, Image Formation & Mirror Formula, Magnification,
Refraction of Light and Its Cause, Laws of Refraction, Refractive Index,
Refraction Through a Transparent Glass Slab
MAY : Reversibility of Light, Lens and Its Types, Refraction through Lens
JUNE : Revision
JULY : Revision

CHEMISTRY

MAR. : **Discussion of the Fundamental Concept**
APRIL : **Ch. 1 : Chemical Reaction and Equations** : Physical and Chemical
Changes, Chemical Equations, Balancing of a Chemical Equations,
Types of Chemical Reactions, Corrosion and Rancidity
MAY : **Ch. 2 : Acids, Bases and Salts** - Acids, Bases Indicators, Properties
of Acids and Bases, Concept of pH, Importance of pH in Everyday Life
Practical 1 : To perform and observe the following chemical reactions
and classify them into (i) Combination Reaction, (ii) Decomposition
Reaction (iii) Displacement Reaction, (iv) Double Displacement Reaction
Practical 2 : To study the properties of Acid or Bases (dil HCL, conc.
NaOH) by their reaction with (i) litmus paper (ii) Zn Metal (iii) Solid
 Na_2CO_3 + Project Work
JUNE : Revision

BIOLOGY

MAR. : **Ch. 6 : Life Processes** : Nutrition (Introduction)
APRIL : **Ch. 6 : Life Processes** : Nutrition (contd.) - Nutrition, Respiration,
Transportation
Practical 1 : To prepare temporary mount of leaf peel to show stomata.
MAY : **Ch. 6 : Life Processes** : (Contd.) Excretion
Practical 2 : Experimentally show that carbon dioxide is given out

PHYSICS

SEPT. + OCT. : **Ch. 4 : Electricity** : Electric Charge, Electric Current, Electric
Potential, Ohm's Law and Resistance, Factors affecting the
Resistance, Resistivity, Combinations of Resistors, Electric
Energy and Power, Heating Effects of Electric Current and It's
Applications
Ch. 5 Magnetic Effect of Electric Current : Magnets and Its
Types, Magnetic Field, Magnetic Effect of Current, Magnetic
Field of Different Current Carrying Conductors, Fleming's Left
Hand Rule, Electric Motor, Electromagnetic Induction,
Induced emf and Current, Fleming's Right Hand Rule
Practical : To verify Ohm's law.
NOV. + DEC : **Ch. 5 Magnetic Effect of Electric Current** : Right Hand Thumb
Rule, Generators, Advantage of A.C. Over D.C., Domestic
Circuits, Earthing etc.
Ch. 6 : Sources of Energy : Different Forms of Energy,
Renewable and Non-renewable Sources of Energy, Conventional
& Non-conventional, Ideal Sources, Fossil Fuels, Wind, Hydro,
Tidal, Biogas, Solar, Nuclear Energy etc.
Revision
JAN. : **Revision**

CHEMISTRY

SEPT. + OCT. : **Ch. 4 Carbon and Its Compounds** : Carbon and its Allotropes,
Bonding in Carbon Compounds, Versatile Nature of Carbon,
Functional Groups, Homologous Series, Nomenclature,
Difference Between Saturated and Unsaturated Hydrocarbons
Practical 5 : To study properties of acetic acid.
(i) Odour, (ii) Solubility in H_2O , (iii) Effect on litmus, (iv) Reaction
with NaHCO_3 solution.
Ch. 4 Carbon and Its Compounds (contd.) : Chemical
Properties of Carbon Compounds, Important Carbon
Compounds, Ethanol, Ethanoic Acid, Soaps and Detergent
NOV. : **Ch. 5 : Periodic Classification of Elements** : Early Attempt of the
Classification, Dobereiner Triad Rule and Newland Law of Octaves,
Mendeleevs' Periodic Table, Modern Periodic Table, Gradation in Properties
Practical : To study comparative cleaning capacity of a sample of
soap in soft and hard water.
DEC. : Revision
JAN. : Revision

BIOLOGY

SEPT. : **Ch. 8 How Do Organisms Reproduce** : Introduction
OCT. : **Ch. 8 How Do Organisms Reproduce** : (contd.)

MORAL, YOGA, SPORTS AND PHYSICAL EDUCATION

- AUG** : Muscular System - Type of Muscles
SEPT. : Revision

PRE BOARD EXAMINATION

HINDI

- SEPT.** : काव्य साहित्य का इतिहास – आधुनिक काल
OCT. : गद्य साहित्य का इतिहास – शुक्लोत्तर युग
गद्य संकलन – अजन्ता, पानी में चन्दा और चाँद पर आदमी
काव्य संकलन – रामनरेश त्रिपाठी, माखनलाल चतुर्वेदी, सुभद्रा कुमारी चौहान
NOV. : काव्य संकलन – केदारनाथ सिंह, अशोक बाजपेई
संस्कृत परिचायिका – केन किम् वर्धते, आरुणि श्वेतकेतु संवादः, भारतीया संस्कृतिः,
जीवन सूत्राणि
शब्द रूप – नदी, तद्, युष्मद् धातु रूप – पच्
व्याकरण और निबन्ध निबन्ध – पूर्ववत्
DEC. : पुनरावृत्ति
JAN. : पुनरावृत्ति

ENGLISH

- SEPT.** : **First Flight : Ch. 7** Glimpses of India
OCT. : **First Flight : Ch. 8** Mijbil the Otter,
Ch. 9 Madam Rides the Bus, **Ch. 10** The Sermon at Benaras
Poem : Animals, The Trees
Footprints without Feet : Ch. 7 The Necklace, Ch. 8 The Hack Driver
NOV. : **First Flight : Ch. 11** The Proposal
Poem : The Tale of Custard, The Dragon, For Anne Gregory
Footprints without Feet : Ch. 9 Bholi,
Ch. 10 The Book That Saved the Earth
Language : Article Writing , Report Writing
DEC. : Revision of Literature and Language

MATHEMATICS

- SEPT.** : Ch. 10 Circles
OCT. : Ch. 10 Circles (contd.), Ch. 11 Constructions,
Ch. 12 Areas Related to Circle
NOV. : Ch. 13 Surface Area and Volume, Ch. 14 Statistics
DEC. : Revision
Jan. : Revision

during respiration.

- JUNE** : Revision
JULY : Revision

COMPUTER SCIENCE

- MAR.** : Computers and Communication
APRIL : Communication Media, Binary Arithmetic,
Boolean Algebra and Logic Gates, Revision of 'C' Basics,
MAY : Arrays with Searching and Sorting
JUNE : Revision of I Term Examination
JULY : Revision

SOCIAL SCIENCE

- MAR.** : **History** : Ch. 1 The Rise of Nationalism in Europe (contd.)
APRIL : **History** : Ch. 1 The Rise of Nationalism in Europe
Civics : Ch. 1 Power Sharing
Geo. : Ch. 1 Resources and Development
MAY : **History** : Ch. 2 The Nationalist Movement in Indo-China
Civics : Ch. 2 Federalism
Eco. : Ch. 1 Development
Geo. : Ch. 2 Forest and Wildlife Resources
JUNE : Revision and Map Work

COMMERCE

- MAR.** : Final Accounts
APRIL : Final Accounts with Adjustments, Invoice and Statement of Account
MAY : Bank - Origin, Definition, Functions and Importance,
Law of Diminishing Marginal Utility
JUNE : Revision
JULY : Revision

MORAL, YOGA, SPORTS AND PHYSICAL EDUCATION

- MAR. + APRIL** : Moral Education - Yoga Education & Physical Education
MAY : Injury, Muscular System - Introduction, Lokmanya Bal Gangadhar Tilak,
Mahatma Gandhi, Subhash Chandra Bose, Swami Vivekanand,
Swami Dayanand Saraswati, Jawaharlal Nehru
JUNE : Revision
JULY : Revision

II TERM EXAMINATION

HINDI

- JULY** : गद्य संकलन – पाठ-क्या लिखूँ, भारतीय संस्कृति, ईर्ष्या तू न गई मेरे मन से
काव्य संकलन – बिहारीलाल
- AUG.** : काव्य संकलन – श्याम नारायण पाण्डेय, मैथिलीशरण गुप्त, सुमित्रानन्दन पन्त,
महादेवी वर्मा
संस्कृत परिचायिका – प्रबुद्धो ग्रामीणः, देशभक्तः चन्द्रशेखरः
जय सुभाष – चतुर्थ, पंचम, षष्ठम् एवं सप्तम सर्ग का सारांश।
- SEPT.** : पुनरावृत्ति

ENGLISH

- JULY** : **First Flight** : Ch. 3 Two Stories About Flying,
Ch. 4 From the Diary of Anne Frank
Poem : How to Tell Wild Animals
Footprints without Feet : Ch. 4 A Question of Trust
Language : Conversion of Sentences, Filling of Correct Forms of Verb
- AUG.** : **First Flight** : Ch. 5 The Hundred Dresses Part I, II
Poem : The Ball, Amanda
Footprints without Feet : Ch. 5 Footprints Without Feet,
Ch. 6 The Making of A Scientist
Language : Preposition, Conjunction
- SEPT.** : Revision of Literature and Language

MATHEMATICS

- JULY** : Ch. 3 Pair of Linear Equation in Two Variables
AUG. : Ch. 6 Triangles, Ch. 7 Co-ordinate Geometry, Ch. 15 Probability
SEPT. : Revision

PHYSICS

- JULY** : **Ch. 2 Refraction of Light** : Refraction through Lens, Ray Diagram,
Uses of Lens, Sign Convention and Lens Formula (contd.)
- AUG.** : **Ch. 2 Refraction of Light** : Magnification, Power of Lens
Ch. 3 : Human Eye and Colourful World : Structure of Human Eye &
Its Function, Defects in Eyes & Correction, Refraction Through a Prism,
Dispersion, Formation of Rainbows, Scattering, Atmospheric Refraction
Practical :- (i) Determination of focal length of concave mirror.
(ii) Determination of focal length of convex lens.
(iii) Refraction of light through glass slab.
- SEPT.** : Revision

CHEMISTRY

- JULY** : **Ch. 2 : Acids, Bases and Salts (contd.)** : More about Salts, Common
Salts, Chemicals from Common Salts, Bleaching Powder,
Plaster of Paris, Water of Crystallisation + Revision
Ch. 3 : Metals and Non-metals : Impurities of Metals and Non-metals,
Metal Reactivity Series
Practical : To find the pH of the samples by using pH paper/universal
indicators (dil. HCl, dil. NaOH, dil. CH_3COOH , lemon juice, water and
dil. NaHCO_3 solution).
- AUG.** : **Ch. 3 : Metals and Non-metals (contd.)** : Formation and Properties
of Ionic Compounds, Basic Metallurgical Process, Corrosion and Prevention
Practical : To observe the action of Zn, Fe, Cu and Al on the following
salts. (i) ZnSO_4 (aq.) (ii) FeSO_4 (aq.) (iii) CuSO_4 (aq.) (iv) $\text{Al}_2(\text{SO}_4)_3$ (aq.)
- SEPT.** : Revision

BIOLOGY

- JULY** : **Ch. 7**: Control and Co-ordination
AUG. : **Ch. 7**: Control and Co-ordination (contd.) , **Ch. 15** : Our Environment
Ch. 16 : Management of Natural Resources
- SEPT.** : Revision

COMPUTER SCIENCE

- JULY** : String Manipulation, Linux Operating System
AUG. : Linux Commands, Computer Network
SEPT. : Revision

SOCIAL SCIENCE

- JULY** : **History** : Ch. 3 Nationalism in India,
Ch. 4 The Making of Global World
Civics : Ch. 3 Democracy and Diversity
Eco. : Ch. 2 Sectors of Indian Economy
- AUG.** : **History** : Ch. 5 The Age of Industrialization
Civics : Ch. 4 Gender, Religion and Caste,
Ch. 5 Popular Struggles and Movement
Geo. : Ch. 3 Water Resources, Ch. 4 Agriculture
Eco. : Ch. 3 Money and Credit
- SEPT.** : Map Work and Revision

COMMERCE

- JULY** : Cheques, Bills, Hundies and Promissory Note
AUG. : Filing and Indexing, Reserve Bank of India, State Bank of India,
Spending and Saving