

ACCOUNTANCY

- SEPT.** : Issue of Debentures
OCT. : Redemption of Debentures, Accounts for Non Profit Organisation
NOV. : Accounting Ratio, Retirement and Death of Partner,
Dissolution of partnership Firm
Revision
DEC. : Revision
JAN. : Revision

BUSINESS STUDIES

- SEPT.** : Planning
OCT. : Organising, Staffing
NOV. : Directing, Controlling
DEC. : Revision
JAN. : Revision

ECONOMICS

- SEPT.** : Problem of Excess and Deficient Demand
OCT. : Production Function, Cost, Revenue, Producer Equilibrium,
Theory of Supply (contd.)
NOV. : Theory of Supply, Forms of Market, Market Equilibrium under Perfect
Competition, Government Budget, Foreign Exchange Reserve,
Balance of Payment
DEC. : Revision
JAN. : Revision
FEB. : Revision

MORAL, YOGA, SPORTS AND PHYSICAL EDUCATION

- OCT.** : Yoga Tradition and Its Evolution, Ashtanga Yoga - Samadhi
NOV. : Physical and Mental Health, Yoga and Ayurved and System of Medicine
DEC. : Revision
JAN. : Revision
FEB. : Revision

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

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



I TERM EXAMINATION

HINDI

- MAR.** : **कथा खण्ड** – ध्रुवयात्रा, पंचलाइट (सारांश एवं उद्देश्य)
APRIL : **गद्य खण्ड** – राष्ट्र का स्वरूप, रॉबर्ट नर्सिंग होम में (सारांश, उद्देश्य, लेखकों का साहित्यिक परिचय एवं गद्यांश पर आधारित प्रश्नोत्तर)
संस्कृत खण्ड – भोजस्थोदार्यम्, आत्मज्ञ एव सर्वज्ञः (पाठ अनुवाद)
MAY : **सत्य की जीत** – सारांश एवं प्रमुख पात्रों के चरित्र चित्रण।
काव्य खण्ड – हरिऔध, मैथिलीशरण गुप्त (कवियों का साहित्यिक परिचय, काव्यांश आधारित प्रश्नों के उत्तर)
पत्र – नियुक्ति हेतु आवेदन पत्र, ऋण हेतु आवेदन-पत्र (पूर्ववत्), क्षेत्र की स्वच्छता हेतु पत्र।
JUNE : **व्याकरण** – लोकोक्ति एवं मुहावरे (अर्थ एवं वाक्य प्रयोग),
सन्धि – दीर्घ, गुण, यण्, अयादि
शब्दों में सूक्ष्म अन्तर, अनेकार्थी शब्द, वाक्यांश के लिए एक शब्द,
शब्द रूप-संज्ञा – आत्मन्, नामन्, राजन्, जगत्, सरित्,
सर्वनाम – सर्व, इदम्, यद्
वाक्यों में त्रुटिमाजन
निबन्ध – सामयिक विषयों पर
काव्य सौन्दर्य के तत्व-रस—शृंगार, करुण, हास्य, वीर, शान्त (परिभाषा एवं उदाहरण)
छंद – सोरठा, दोहा, चौपाई, कुण्डलिया (लक्षण एवं उदाहरण)
अलंकार—शब्दालंकार—अनुप्रास, रूपक, उत्प्रेक्षा, सन्देश, भ्रान्तिमान (परिभाषा एवं उदाहरण)
JULY : पुनरावृत्ति

ENGLISH

- MAR. + APRIL** : **Flamingo** : The Last Lesson, Lost Spring
Poem : My Mother at Sixty Six
Vistas : Tiger King
Language : Revision of Narration, Syntax of Non-Finites & Transformation
MAY : **Poem** : An Elementary School Classroom in a Slum
Vistas : The Third Level, Journey to the End of the World
Language : Revision of Synthesis
JUNE : **Vistas** : Should Wizard Hit Mommy
Language : Revision of Vocabulary
JULY : Revision

MATHS

- APRIL** : Ch. 3 Matrices
APRIL : Ch. 3 Matrices (contd.), Ch. 4 Determinants,
Ch. 2 Inverse Trigonometric Functions,
Ch. 5 Continuity and Differentiability
MAY : Ch. 5 Continuity and Differentiability (contd.),
Ch. 6 Application of Derivatives
JUNE : Ch. 6 Application of Derivative (continued) + Revision
JULY : Revision

PHYSICS

- MAR. + APRIL** : Electric Charges and Fields, Gauss' Theorem and Its Applications, Electric Potential, Capacitors
Practical : u - v method and Displacement Method, Electric Resistance and Ohm's Law
MAY + JUNE : D.C. Circuits and Potentiometer, Magnetic Effect of Current, Earth's Magnetism, Magnetic Substances and Properties
Practical : Potentiometer
JULY : Revision

CHEMISTRY

- MAR.** : Chemical Kinetics,
APRIL : Chemical Kinetics (contd.), Solution, Haloalkanes and Haloarenes
Practical : Salt Analysis (0, I and III group)
MAY : Haloalkanes and Haloarenes (continued), d & f-block elements, Surface Chemistry, Alcohols, Phenol and Ethers
Practical : Salt Analysis (V & VI group)
JUNE : General Principles and Isolation of Elements
Practical : Salt Analysis (II & IV group)
JULY : Revision

BIOLOGY

- MAR.** : **Theory** : Ch. 1 Reproduction in Organisms,
APRIL : **Theory** : Ch. 2 Sexual Reproduction in Flowering Plants,
Ch. 3 Human Reproduction
Practical : 1. Study of pollen germination.
2. Study of water sample for its pH clarity and microbes present in it.
MAY : **Theory** : , Ch. 4 Reproductive Health, Ch. 5 Principle of Inheritance
Practical : 3. Study of soil for its pH, water holding capacity, texture and moisture content in two different soil, types.
4. spotting related to taught topics.

PHYSICS

- SEPT. + OCT.** : Diffraction of Light, Polarisation of Light, Photo Electric Effect & Matter Waves, Atomic & Nuclear Structure, Radioactivity and Nuclear Energy
Practical : p - n junction diode, Ohm's law, Internal resistance of a cell by ammeter and voltmeter.
NOV. : Semiconductor Devices, Transistor
Logic Gates
DEC. : Revision
JAN. : Revision

CHEMISTRY

- SEPT.** : Organic Compounds Containing, Nitrogen
OCT. : Biomolecules, Polymers
Practical : Identification of functional group.
NOV. : Chemistry in Everyday Life
Practical : Titration of oxalic acid and revision
DEC. : Revision
JAN. : Revision

BIOLOGY

- SEPT.** : **Theory** : Ch. 11 Biotechnology Principle and Processes
OCT. : **Theory** : Ch. 11 Biotechnology Principle and Processes (contd.),
Ch. 12 Application of Biotechnology, Ch. 13 Organism and Population
Practical : 9. Study the effect of pH and temperature on the activity of salivary amylase. 10. Isolation of DNA. 11. Spotting.
NOV. : **Theory** : Ch. 14 Ecosystem, Ch. 15 Biodiversity and Conservation,
Ch. 16 Environmental Issues + Revision
DEC. : Revision
JAN. : Revision

COMPUTER SCIENCE

- SEPT.** : Programming Languages
OCT. : Programming Languages (continued), Pointers, Database Concept
NOV. : SQL, Exception handling
Revision for Pre Boards
DEC. : Revision for Pre Boards
JAN. : Revision

MORAL, YOGA, SPORTS AND PHYSICAL EDUCATION

- AUG.** : International Sports Competitions, Adolescent Problems and Aliments
- Yoga Directives
SEPT. : Revision

PRE BOARD EXAMINATION

HINDI

- SEPT.** : गद्य खण्ड – हम और हमारा आदर्श, भाषा और आधुनिकता
OCT. : काव्य खण्ड – रामधारी सिंह 'दिनकर' – (उर्वशी, पुरुरवा)
(अभिनव मनुष्य), अज्ञेय
NOV. : संस्कृत खण्ड – महामना मालवीयः, पंचशील सिद्धान्ताः
गद्य खण्ड – निंदा रस
DEC. : पुनरावृत्ति
JAN. : पुनरावृत्ति

ENGLISH

- SEPT.** : Poem : A Thing of Beauty
OCT. : Flamingo : Poets and Pancakes, Indigo
Vistas : On the Face of It
Language : Syntax of Preposition & Revision of Transformation
NOV. : Flamingo : The Interview, Going Places
Poem : A Roadside Stand
Vistas : Evans Tries An O Level, Memories of Childhood
DEC. : Revision of Literature and Practice of Writing
JAN. : Revision

MATHS

- SEPT.** : Ch. 8 Application of Integrals
OCT. : Ch. 8 Application of Integrals (continued),
Ch. 9 Differential Equations
Ch. 10 Vector Algebra
NOV. : Ch. 10 Vector Algebra (continued), Ch. 11 Three Dimensional Geometry,
CH. 13 Probability
DEC. : Revision
JAN. : Revision + Discussion of sample papers

- JUNE** : Revision + Project
JULY : Revision

COMPUTER SCIENCE

- MAR.** : HTML
APRIL : HTML (contd.), Revision of C++ Programming, Arrays in C++
MAY : Functions in C++, Concept of OOPs in C++
JUNE : Programming Techniques
JULY : Revision

ACCOUNTANCY

- MAR.** : Accounting for Share Capital (contd.)
APRIL : Accounting for Share Capital,
Financial Statement of Companies
MAY : Analysis of Financial Statements, Common Size Statements,
Comparative Statements
JUNE : Cash Flow Statement
JULY : Revision

BUSINESS STUDIES

- APRIL** : Nature and Significance of Management
APRIL : Financial Management, Financial Market (to be contd.)
MAY : Financial Market, Consumer Protection (to be contd.)
JUNE : Consumer Protection
JULY : Revision

ECONOMICS

- MAR.** : Economics and Economy, Central Problems of An Economy
APRIL : Consumer's Equilibrium, Indifference Curve Analysis,
Introduction of Macro Economics,
Some Basic Concept of Macro Economics
MAY : Money, Banking
JUNE : Theory of Demand, Elasticity of Demand
JULY : Revision

MORAL, YOGA, SPORTS AND PHYSICAL EDUCATION

- MAR. + APRIL** : Moral Education - Fundamental Rights
MAY : Nature and Development of Physical Education in India,
Physical Growth and Development
JUNE : Sports Awards, Major Games and Sports
JULY : Revision

II TERM EXAMINATION

HINDI

- JULY** : **संस्कृत खण्ड** – संस्कृतभाषायाः महत्वम्, जातक कथा, सुभाषितरत्नानि
काव्य खण्ड – जयशंकर प्रसाद
गद्य खण्ड – अशोक के फूल
- AUG.** : **काव्य खण्ड** – सुमित्रानन्दन पंत, महादेवी वर्मा
कथा खण्ड – लाटी, बहादुर
- SEPT.** : पुनरावृत्ति

ENGLISH LITERATURE

- JULY** : **Flamingo** : Deep Water
Poem : Keeping Quiet
Language : Syntax of Adverb
- AUG.** : **Flamingo** : The Rattrap
Poem : Aunt Jennifer's Tiger
Vistas : The Enemy
- SEPT.** : Letter Writing Practice & Revision

MATHS

- JULY** : **Ch. 1** Relations and Functions, **Ch. 12** Linear Programming
AUG. : **Ch. 7** Integrals
SEPT. : Revision

PHYSICS

- JULY** : Moving Coil Galvanometer, Electromagnetic Induction, Alternating Current (to be contd.)
- AUG.** : Alternating Current, Electromagnetic Waves, Reflection of Light and Spherical Mirrors, Refraction of Light Through Plane Surface, Lenses, Prism, Dispersion, Optical Instruments, Huygen's Wave Theory
Practical : Refractive Index of water by plane mirror and convex lens, Metre Bridge
- SEPT.** : Interference of Light
Revision

CHEMISTRY

- JULY** : Solid State, Electrochemistry
AUG. : Coordination Compounds, Aldehydes, Ketones and Carboxylic Acids, p-block elements
Practical : Titration of Mohr's Salt
- SEPT.** : Revision

BIOLOGY

- JULY** : **Theory** : **Ch. 6** Molecular Basis of Inheritance
Practical : 5. Study of suspended particulate matter of two different sites.
- AUG.** : **Theory** : **Ch. 7** Evolution, **Ch. 8** Health and Diseases, **Ch. 9** Strategies for the enhancement of food production.
Practical : 6. Study of plant population density by quadrat method.
7. Study of plant population by frequency quadrat method.
8. Study of mitosis by preparation of temporary slide through onion root tip + spotting.
- SEPT.** : **Theory** : **Ch. 10** Microbes in Human Welfare + Revision

COMPUTER SCIENCE

- JULY** : Computer Software
AUG. : Constructor and Destructor, Polymorphism, Inheritance
SEPT. : Revision

ACCOUNTANCY

- JULY** : Partnership - Fundamentals, Change in Profit Sharing Ratio
AUG. : Admission of Partner
SEPT. : Revision

BUSINESS STUDIES

- JULY** : Marketing Management
AUG. : Principles of Management, Business Environment
SEPT. : Revision

ECONOMICS

- JULY** : National Income and Related Aggregates, Methods of Calculating National Income (to be contd.)
AUG. : Methods of Calculating of National Income, AD-AS Related Concepts, Short Run Equilibrium
SEPT. : Revision