

# CLASS XII SYLLABUS (2023-2024)

## INDEX : SUBJECTS

- MATHEMATICS
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- PHYSICS
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- PHYSICAL EDUCATION
- CHEMISTRY
- ENGLISH LITERATURE

### Chapter

### MATHEMATICS I Term (SECTION A)

- |    |   |
|----|---|
| 1  | Relation                                      |
| 2  | Functions                                     |
| 4  | Inverse Trigonometric Functions               |
| 5  | Determinants                                  |
| 6  | Matrices                                      |
| 7  | Continuity and Differentiability of functions |
| 8  | Differentiation<br>(SECTION B)                |
| 21 | Vectors                                       |
| 22 | Vectors Continued                             |
| 23 | Three Dimensional Geometry<br>(SECTION C)     |
| 27 | Linear Regression                             |
| 28 | Linear Programming                            |

### II Term

- |    |  |
|----|--|
|    | I Term Three Sections A, B, C +              |
| 11 | Application of Derivative                    |
| 12 | Maxima and Minima                            |
| 13 | Indefinite Integral (Standard form) – (I)    |
| 14 | Indefinite – Integral (Special form) – (II)  |
| 15 | Indefinite Integral – (3) (Special Integral) |
| 16 | Definite Integral                            |
| 17 | Differential Equations                       |
| 18 | Probability                                  |
| 19 | Baye's Theorem                               |
| 20 | Theoretical Probability Distribution         |

+

(Section B)

Chapter – 24 The Plane

Chapter – 25 Application of Integrals.

(Section C)

Chapter – 26

[Application of Calculus in Commerce  
and Economics]

### Pre board and Final Board Examination

Complete Syllabus in all the three Sections

## ACCOUNTANCY

### I Term

- 1 Fundamental of Partnership
- 2 Valuation of goodwill
- 3 Admission of a partner
- 4 Retirement & Death of partner
- 5 Dissolution of partnership firm
- 6 Issue of shares
- 7 Issue of debenture
- 8 Redemption of debenture

### II Term

(Full Syllabus)

- 9 Financial Statement of Companies as per Schedule III Part A
- 10 Financial Statement Analysis
- 11 Comparative Statement
- 12 Common Size Statement
- 13 Cash flow Statement
- 14 Ratio Analysis/Accounting Ratio

### Pre board and Final Board Examination

Full Syllabus

## ECONOMICS

### I Term

- 2 Demand & Law of Demand
- 3 Consumer equilibrium
- 4 Elasticity of demand
- 5 Supply & Elasticity of supply
- 6 Market of equilibrium
- 7 Production
- 8 Cost & Revenue
- 9 Form's of markets
- 10 Producer equilibrium
- 11 Determination of profit in short run firm

### II Term

- 12 Theory of income & employment
  - 13 Money
  - 14 Banking and its function
  - 15 Fiscal policy
  - 16 Balance of payment
  - 17 Government budget
  - 18 Circular flow of income
  - 19 Aggregates of national income
  - 20 Measurement of rational income
- Full Syllabus As Per C'SCE.

### Pre board Final Board Examination

Full Syllabus.

## COMMERCE

### I Term

- 1 Business Environment
- 2 Capital
- 3 Sources of Joint Stock Companies
- 4 Banking & its trends
- 5 Management
- 6 Principles of management
- 7 Functions of management
- 8 Planning

## II Term

- 9 Staffing & Organization
- 10 Directing
- 11 Controlling
- 12 Marketing (Introduction)
- 13 Classification of Marketing (Product, Price, Place, Promotion)
- 14 Consumer Protection Act

### Pre board and Final Board Examination

Full Syllabus

## BIOLOGY

### I Term

Unit I

- 2 Sexual Reproduction in Flowering Plants (Angiosperms)
- 3 Human Reproduction
- 4 Reproduction Health

Unit 2

- 5 Principles of Inheritance and Variation
- 6 Molecular Basis of Inheritance
- 7 Origin of Life
- 8 Evidences and Theories of Biological Evolution
- 9 Human Evolution

### II Term

Unit III

- 10 Human Health and Diseases
- 12 Microbes in Human Welfare

Unit IV

- 13 Principles and process of Biotechnology
- 14 Biotechnology and its Application

Unit V

- 15 Organisms of Populations
- 16 Ecosystem
- 17 Biodiversity and its Conservation
- 18 Environmental Issues

### Pre board and Final Board Examination

Full Syllabus.

## ENGLISH LANGUAGE

### I Term

- Reported Speech – 1
- Reported Speech – 2
- Two Voices
- Tenses and Their Use -1
- Tenses and Their Use – 2

Specimen Paper 1 to 5

- Composition, Report writing
- Proposal, Functional grammar and Comprehension Passage

### II Term

- Tenses and Their Use – III
- Tenses and Their Use – IV
- Sequence of Tenses
- Agreement of the Verb with the Subject
- Conditional Sentences

Specimen Paper – 6 to 10

- Composition, Report writing

Proposal, Functional Grammar and Comprehension Passage  
**Pre board and Final Board Examination**

Full Syllabus +  
Comparison of Adjectives  
Transformation of Sentences- I  
Transformation of Sentences – II  
Transformation of Sentences – III  
Transformation – Miscellaneous Exc's

Specimen Paper – 11 to 15  
Composition Report writing  
Proposal, Functional Grammar and Comprehension passage

**HINDI**  
**I Term**

**HINDI LITERATURE**

गद्य संकलन

- 1 पुत्र प्रेम – प्रेमचंद
- 2 गौरी – सुभद्रा कुमारी चौहान
- 6 दासी – जयशंकर प्रसाद
- 7 क्या निराश हुआ जाए? – हजारी प्रसाद द्विवेदी
- 8 भक्तिन – महादेवी वर्मा

- 1 काव्य मंजरी
- 2 साखी – कबीरदास
- 6 बाल लीला – सूरदास
- 7 तुलसीदास के पद – तुलसीदास
- 8 जाग तुझको दूर जाना – महादेवी वर्मा
- उद्यमी नर – राम धारी सिंह दिनकर
- आशाढ़ का एक दिन (अंक तीन)

**HINDI LANGUAGE**

अपठित गद्यांश

निबंध

मुहावरे

अष्टुद्ध वाक्य

**II Term**

**HINDI LITERATURE**

गद्य संकलन

- 3 षरणागत – वृंदावन लाल वर्मा
- 4 सती – शिवानी
- 5 आउट साइडर – मालती जोषी
- 9 संस्कृति क्या है? – रामधारी सिंह दिनकर
- 10 मजबूरी – मन्नू भंडारी
- काव्य मंजरी
- 3 एक फूल की चाह – सियारामशरण गुप्त
- 4 आ धरती कितना देती है? – सुमित्रानंदन पंत
- 5 नदी के द्वीप – अज्ञेय
- 9 बादल को घिरते देखा – नागार्जुन
- 10 अंधेरे का दीपक – हरिवंश राय बच्चन
- आशाढ़ का एक दिन (अंक दो)

HINDI LANGUAGE

अपठित गद्यांश

निबंध

मुहावरे

अष्टुद्ध वाक्य

**Pre board Examination and Final Board Examination**

Full Syllabus

**PHYSICS**

**I Term**

- 1 Electric charge and Fields
- 2 Gausis Theorem
- 3 Electric Potential
- 4 Capacitor and Dielectrics
- 5 Electric Resistance and Ohm's Law
- 6 D.C circuits & Measurements
- 7 Moving charge and Field
- 8 on a current loop
- 9 Magnetic Field and Earth Magnetism
- 10 Magnetic classification of substance
- 11 Electro Magnetic Induction
- 12 Alternating current
- 13 Electromagnetic Waves

**II Term**

- 14 Spherical Mirror
- 15 Refraction of light
- 16 Lens
- 17 Prism
- 18 Optical Instruments
- 19 Wave nature of light
- 20 Interference of light
- 21 Diffraction of light
- 23 Photoelectric effect
- 24 Mother waves
- 26 Bohr's Theory of hydrogen atom
- 27 Nuclear structure
- 28 Radioactivity
- 29 Mass – energy equivalence
- 30 Nuclear Fission and Nuclear Fusion
- 31 Semiconductor Electronics
- 32 Junction Diodes
- 33 Junction transistor

**Pre board Examination and Final Board Examination**

Full Syllabus

**COMPUTER SCIENCE**

**I Term**

- 1 Boolean Algebra
- 2 Computer Hardware
- 3 Objects and classes
- 4 Primitive values, Types, Casting, Variables & expressions
- 5 Statement, Control structures and scope
- 6 Function / Methods

**II Term**

- 7 Array's and Strings
- 8 Compiling and Running Java Programs
- 9 Java classes: An oop Perspective
- 10 Operations on Files
- Recursion

- 11 Concept of Inheritance
- 12 Exception Handling
- 13 Simple data structure
- 14 Recursive Data structures
- 15 Computational complexity
- 16

**Pre board Examination and Final Board Examination**

Full Syllabus

**PHYSICAL EDUCATION**

**I Term**

- 1 Sociological Aspects of Physical Education
- 2 Training Methods
- 3 Career Aspects in Physical Education
- GAMES: Any two major games selected by you.

**II Term**

I Term Syllabus +

- 4 Competition and Tournaments
- 5 Health Education and Health Problems
- 6 Sports Injuries and First Aid
- GAMES: Any two major games selected by you.

**Pre board Examination and Final Board Examination**

Full Syllabus

**CHEMISTRY**

**I Term**

- Solution
- Electro chemistry
- D and F block Elements
- Haloalkanes and Haloarenes
- Biomolecules

**II Term**

I Term +

- Chemical Kinetics
- Coordination compounds
- Alcohol, Phenols & Ethers
- Aldehydes, Ketones & Carboxylic acids
- Organic compounds containing nitrogen

**Pre board Examination and Final Board Examination**

Full Syllabus

**ENGLISH LITERATURE**

**I Term**

The Tempest Act (3) all the Scenes  
 Short Stories: Fritz  
 Quality  
 Poems: The Darkling Thrush  
 Birches

**II Term**

The Tempest Act (4) and (5)  
 Short Stories: The story of an hour  
 The Singing Lesson  
 B. Wordsworth  
 Poems: The Dolphins  
 John Brown  
 Dover Beach

**Pre board Examination and Final Board Examination**

Full Syllabus

