

CLASS X SYLLABUS (2023-2024)

Index: Subjects

- ENGLISH LANGUAGE
- ENGLISH LITERATURE
- BIOLOGY
- HISTORY/CIVICS
- HINDI
- PHYSICS
- COMPUTER
- GEOGRAPHY
- ENVIRONMENTAL SCIENCE
- CHEMISTRY
- MATHEMATICS

Chapter

ENGLISH LANGUAGE (PAPER I)

I Term

- | | |
|----|---------------------------------|
| 1 | Synthesis |
| 2 | Transformation of Sentences -1 |
| 3 | Transformation of Sentences – 2 |
| 4 | Tenses and their Uses -1 |
| 5 | Tenses and their Uses-2 |
| 15 | Prepositions |
| 11 | Articles |
| 12 | Adjectives |

Test Paper 1 to 7

Composition writing, Letter writing, Notice- Email, Comprehension Passage and Functional grammar.

II Term

- | | |
|----|----------------------------|
| 6 | Sequences of Tenses |
| 7 | Conditional Sentences |
| 8 | Active and Passive Voice |
| 9 | Subject verb Agreement |
| 10 | Direct and Indirect Speech |
| 13 | Comparison of Adjectives |
| 14 | Adverbs |

Test Paper 8 to 15

Composition writing, Letter writing, Notice- Email, Comprehension Passage and Functional grammar.

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Complete Syllabus

ENGLISH LITERATURE

I Term

Drama-Merchant of Venice (Act III and IV All the Scenes)

Story-

6 Angel in Disguise

7 The Little Match Girl

9 My Greatest Olympic Prize

Poetry-

6 Daffodils

7 I Know why the Caged Bird Sings

8 The Patriot

II Term

Drama-Merchant of Venice (Act 5 Scene 1)

Story-

8 The Blue Bead

10 All Summer in a Day

Poetry-

9 Abou Ben Adhem

10 Nine Gold Medals

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Drama }
Story } Complete Syllabus
Poetry }

BIOLOGY

I Term

1 Cell (The Structural and functional unit of life)

2 Structure of chromosome, cell cycle and cell division

3 Genetics

13 Human Reproductive System

14 Human Evolution

15 Population

16 Pollution

II Term

4 Absorption by Roots

5 Transpiration

6 Photosynthesis

7 Chemical coordination in Plants

8 The Circulatory system

9 The Excretory system

10 The Nervous system

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11 Sense Organs

12 The Endocrine System

(Remaining complete syllabus from chapter 1 to 16)

HISTORY/CIVICS

I Term

HISTORY

1 The First War of Independence

2 Growth of Nationalism and INC

3 First Phase of the Indian Nationalist Movement (1885-1907)

4 a Second Phase of Indian National Movement (1905-1916)

4 b Second Phase of Indian National Movement (1905-1916)

CONTEMPORARY WORLD

- 1 The First World War
- 2 Rise of Dictatorships
- 5 Major Agencies of United States

CIVICS

- 1 The Union Legislative
- 2 The Union (President, Vice President)
- 3 The Judiciary (Supreme court)

II Term

HISTORY

- 5 The National Movement (1915-1934)
- 6 Quit India Movement
- 7 Forward Bloc and INA
- 8 Independence and Partition of India

CONTEMPORARY WORLD

- 3 The Second World War
 - 4 The United Nations
 - 6 Non – Aligned Movement
- ## CIVICS
- 3 The Union Executive (The Prime Minister and Council of Ministers)
 - 5 The Judiciary (High Court)

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Complete Syllabus

HINDI

I Term

HINDI LITERATURE

साहित्य सागर

- 1 बात अठन्नी की
- 2 काकी
- 6 बड़े घर की बेटी
- 7 संदेह
- 8 भीड़ में खोया आदमी
- एकांकी संचय
- 1 संस्कार और भावना
- 4 सूखी डाली
- 5 महाभारत की एक साँझ

HINDI LANGUAGE

अपठित गद्यांश, निबंध, पत्र, पर्यायवाची, विलोम शब्द, तत्सम शब्द, तद्भव शब्द, वाक्यांशों के लिए एक शब्द, मुहावरे, लोकोक्तियाँ, अनेकार्थी शब्द

II Term

HINDI LITERATURE

साहित्य सागर

- 3 महायज्ञ का पुरस्कार
- 4 नेताजी का चष्मा
- 5 अपना – अपना भाग्य
- 9 भेड़ें और भेड़िए
- 10 दो कलाकार
- एकांकी संचय
- 2 बहू की विदा
- 3 मातृभूमि का मान
- 6 दीपदान

HINDI LANGUAGE

अपठित गद्यांश, निबंध, पत्र, पर्यायवाची, विलोम शब्द, तत्सम शब्द, तद्भव शब्द, वाक्यांशों के लिए एक शब्द, मुहावरे, लोकोक्तियाँ, अनेकार्थी शब्द

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Complete Syllabus

PHYSICS

I Term

- 1 Force
- 2 Work, Energy and Power
- 3 Machines
- 4 Refraction of light
- 5 Refraction Through A Lens
- 6 Spectrum

II Term

- 7 Sound
- 8 Current Electricity
- 9 Electrical Energy
- 10 Electromagnetism
- 11 Calorimetry

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Complete Syllabus

COMPUTER APPLICATIONS

I Term

- 1 Unit:1
 1. Introduction to object Oriented Programming
 2. Elementary concept of object and class
 3. Introduction to Java
 4. Values and data types, operators and expressions, input to java Mathematical library methods
 5. Conditional Constructors in Java
 6. Iterative Constructs in Java
- 2 Class as the basis of all computation
- 3 Functions or methods (User defined methods)
- 4 Constructors
- 5 Library classes

II Term

- 6 Encapsulation
- 7 Array (Single and double dimensional array)
- 8 String Handling
- 9 Error handling and exceptions
- 10 Output Questions

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Complete Syllabus

GEOGRAPHY

I Term

- Toposheet Gs 78 & Gs 10
Map work
- 4 Climate of India
 - 5 Soil in India
 - 6 Natural vegetation
 - 7 Water resources
 - 8 Minerals in India

II Term

Toposheet G57 and Gs 10

- 9 Map work
- 9 Agriculture (unit)
- 10 Industrial (unit)
- 11 Transport in India
- 12 Waste (unit)

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ENVIRONMENTAL SCIENCE

I Term

- 1 Controlling Air Pollution
- 2 Addressing population
- 3 Managing urban environment
- 4 Managing soil
- 5 Food adulteration

II Term

- 6 Biochemistry
- 7 Energy
- 8 Waste
- 9 Role of multinational corporation & development
- 10 Toward sustainable development & future.

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CHEMISTRY

I Term

- 1 Periodic Table, Periodic Properties and Variations of Properties
- 2 Chemical Bonding
- 3 Acids, Bases and Salts
- 4 Analytical Chemistry
- 5 Concept and Stoichiometry
- 6 Electrolysis

II Term

- 7 Metallurgy
- 8 Study of Compounds A: Hydrogen Chloride
- 9 Study of Compounds B: Ammonia
- 10 Study of Compounds C: Nitric Acid
- 11 Study of Compounds D: Sulphuric Acid
- 12 Organic Chemistry

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MATHEMATICS

I Term

- 1 Goods and Services Tax [GST]
- 2 Banking [R.D. Account]
- 3 Shares and Dividend
- 4 Inequalities
- 5 Quadratic Equations
- 6 Solving Problems based on Quadratic Equations
- 7 Ration and Proportion
- 15 Similarity of Triangles
- 16 Loci (Locus and its Construction)
- 26 Probability
- 21 Trigonometrical Identities
- 22 Trigonometrical Tables
- 23 Height and Distance

II Term

8 First Term syllabus +
Remainder and Factor Theorem
9 Matrices
10 Arithmetic Progression
11 Geometric Progression

12 Reflection (Co-ordinate Geometry)
13 Section and Mid-Point formula
14 Equation of a line
17 Circles
18 Tangents and Secant Properties
19 Constructions
20 Cylinder, Cone and Sphere

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I Term syllabus + II Term syllabus +
24 Graphical Representation (Histogram and Ogives)
25 Measure of Central Tendency (Mean, Median, Quartile and Mode)