

**CHRIST SR. SEC. SCHOOL, GUNA**  
**TERM AND MONTH WISE SYLLABUS – 2024-25**  
**CLASS X**

**ENGLISH** ----->

**DIVISION OF MARKS**

|                               |                 |
|-------------------------------|-----------------|
| <b>Reading:</b>               | <b>20 MARKS</b> |
| <b>Writing &amp; Grammar:</b> | <b>20 MARKS</b> |
| <b>Literature:</b>            | <b>40 MARKS</b> |
| <b>TOTAL</b>                  | <b>80 MARKS</b> |

|   |                                      |  |
|---|--------------------------------------|--|
| <b>APRIL</b>  | First Flight                         | A letter to God.   |
|   | Poem                                 | Dust of Snow.<br>Fire and Ice.                                     |
|   | Footprints                           | Triumph of surgery.  |
|   | Grammar                              | Modals   |
| <b>JUNE</b>   | Writing                              | Formal letter & Analytical Paragraph.                              |
|   | First Flight                         | Nelson Mandela: A Long walk to Freedom.                            |
|   | Poem                                 | A tiger in the zoo   |
| <b>JULY</b>   | Grammar                              | Tenses   |
|   | First Flight                         | Two stories about flying.<br>From the diary of Anne Frank.         |
|   | Poem                                 | How to tell wild animals.  |
|   | Footprints                           | Thief story.   |
| <b>TEST:</b>  | Grammar                              | Subject verb & Concord.  |
|   | <b>PERIODIC TEST 1 (PT1)</b>         |  |
|   | <b>AUGUST</b>                        |  |
| <b>SEPTEMBER</b>  | First Flight                         | Glimpses of India. (I,II,III)                                      |
|   | Poem                                 | Ball poem<br>Amanda  |
|   | Footprints                           | The midnight visitor.<br>A question of trust.                      |
|   | Grammar                              | Reported Speech & Determiners.                                     |
|   | Writing                              | Diary Entry  |
|   | First Flight                         | Mijbil the Otter   |
| <b>PERIODIC TEST 2 (PT2) ( Half Yearly Exam)</b>          | Poem                                 | The trees.   |
|   | Footprints                           | Footprints without feet.   |
|   | <b>OCTOBER</b>                       |  |
| <b>NOVEMBER</b>   | First Flight                         | Madam Rides the Bus.<br>The Sermon at Benares.                     |
|   | Poem                                 | Fog<br>The Tale of Custard the dragon.                             |
|   | Footprints                           | The making of a Scientist.<br>The Necklace.                        |
|   | First Flight                         | The Proposal ( play).  |
| <b>DECEMBER</b>   | Poem                                 | For Anne Gregory.  |
|   | Footprints                           | Bholi<br>The book that saved the earth.                            |
|   | PROSE                                | Revision 1 to 9  |
|   | Poem                                 | Revision 1 to 10   |
|   | Foot Prints                          | Revision 1 to 9  |
| <b>JANUARY</b>  | GRAMMAR                              | Tenses, Modals, Subject Verb Concord, Reported Speech & Determiner |
|   | WRITING                              | Formal Letters, Analytical Paragraph & Diary Entry.                |
|   | <b>FIRST PRE BOARD EXAM ( P T 3)</b> |  |
| <b>REVISION OF FULL SYLLABUS. (SECOND PRE BOARD EXAM)</b> |                                      |  |

| अंक विभाजन   |           |
|--------------|-----------|
| पाठन (अपठित) | -- 10 अंक |
| व्याकरण      | -- 16 अंक |
| साहित्य      | -- 34 अंक |
| लेखन         | -- 20 अंक |
| कुल योग      | -- 80 अंक |

|                               |                              |  |
|-------------------------------|------------------------------|--|
| अप्रैल                        | पद्य खंड                     | सूरदास के पद                             |
|                               | खद्य खंड                     | नेताजी का चश्मा                          |
|                               | व्याकरण                      | अलंकार                                   |
|                               | लेखन                         | औपचारिक-पत्र                             |
|                               | अपठित                        | गद्यांश                                  |
| जून-जुलाई                     | पद्य खंड                     | तुलसीदास                                 |
|                               | खद्य खंड                     | बालगोबिन भगत                             |
|                               | कृतिका                       | माता का आँचल                             |
|                               | व्याकरण                      | रचना के आधार पर वाक्य भेद                |
|                               | लेखन                         | विज्ञापन-लेखन                            |
| अगस्त                         | अपठित काव्यांश               |  |
|                               | पद्य खंड                     | जयशंकर प्रसाद, सूर्यकांत त्रिपाठी निराला |
|                               | खद्य खंड                     | लखनवी अंदाज                              |
|                               | कृतिका                       | साना-साना हाथ जोड़ि                      |
| सितंबर                        | व्याकरण                      | वाच्य                                    |
|                               | लेखन                         | ई - मेल                                  |
|                               |                              | अनुच्छेद- लेखन<br>अनौपचारिक-पत्र         |
| ◆PT2 (अर्द्ध वार्षिक परीक्षा) | सितंबर (+ PT1 syllabus)      |  |
| अक्टूबर                       | पद्य खंड                     | नागार्जुन                                |
|                               | खद्य खंड                     | एक कहानी यह भी                           |
|                               | व्याकरण                      | पद परिचय                                 |
|                               | लेखन                         | संदेश-लेखन, स्ववृत्त-लेखन                |
| नवंबर                         | पद्य खंड                     | मंगलेश डबराल                             |
|                               | खद्य खंड                     | नौबतखाने में इबादत, संस्कृति             |
|                               | कृतिका                       | में क्यों लिखता हूँ                      |
| ◆PT3                          | नवंबर (+ PT1 & PT2 syllabus) |  |
| दिसंबर                        | (Revision)                   |  |
| जनवरी                         | Pre-Board Exam               |  |

## MATHEMATICS

### Month Chapter

#### TERM I

|           |                                |  |
|-----------|--------------------------------|--|
| April     | Chapter 2                      | Polynomials                              |
|           | Chapter 3                      | Pair of Linear Equation in two variables |
| June      | Chapter 1                      | Real Number                              |
| July      | Chapter 4                      | Quadratic Equations                      |
|           | Chapter 5                      | Arithmetic Progressions                  |
|           | Chapter 13                     | Statistics                               |
| August    | Chapter 6                      | Triangles                                |
|           | Chapter 8                      | Introduction to Trigonometry             |
|           | Chapter 9                      | Application of Trigonometry              |
| September | Revision and Half Yearly Exam. |  |

#### TERM II

|           |                               |                           |
|-----------|-------------------------------|---------------------------|
| September | Chapter 14                    | Probability               |
| October   | Chapter 7                     | Coordinate Geometry       |
|           | Chapter 10                    | Circles                   |
| November  | Chapter 11                    | Area related to circle    |
|           | Chapter 12                    | Surface areas and volumes |
| December  | Revision and First Pre-Board  |                           |
| January   | Revision and Second Pre-Board |                           |

#### Split – Up Syllabus

|           |   |
|-----------|---|
| P T 1     | Chapter – 1, 2, 3                       |
| PT 2      | Chapter – 1, 2, 3, 4, 5,6, 8, 9, 13, 14 |
| P T 3     | Chapter – 7, 10, 11 and 12              |
| Pre board | Full Syllabus                           |

#### Annual Exam Full Syllabus

## SCIENCE

| Unit No | Unit Name                                | Marks |
|---------|--|-------|
| I       | Chemical Substances-Nature and Behaviour | 25    |
| II      | World of Living                          | 25    |
| III     | Natural Phenomena                        | 12    |
| IV      | Effects of Current                       | 13    |
| V       | Natural Resources                        | 05    |
|         | Total                                    | 80    |
|         | Internal Assessment                      | 20    |
|         | Grand Total                              | 100   |

#### 1<sup>ST</sup> Periodic Test Syllabus( April)

|           |           |   |
|-----------|-----------|---|
| Physics   | Chapter 9 | Light – Reflection and Refraction(Only Reflection )                     |
| Chemistry | Chapter 1 | Chemical reactions and Equations(upto balancing the chemical equations) |
| Biology   | Chapter 6 | Life Processes ( Till Nutrition in human beings)                        |

#### Half yearly examination (PT2)

|           |             |   |
|-----------|-------------|---|
| Physics   | Chapter 9 : | Light reflection and refraction                                       |
|           | Chapter 10: | Human eye and colourful world   |
| Chemistry | Chapter 1:  | Chemical reactions and equations                                      |
|           | Chapter 2 : | Acids ,bases and salts ( upto chemical properties of acids and bases) |
| Biology   | Chapter 5 . | Life processes  |
|           | Chapter 6:  | Control and Co ordination(co- ordination in animals)                  |

First Pre board-Full syllabus (Chapter 1 to 13)

Second Pre-Board -Full syllabus (Chapter 1 to 13)

Annual examination-Full syllabus (Chapter 1 to 13)

**Practicals:** Practical should be conducted alongside the concepts taught in theory classes. .

LIST OF EXPERIMENTS

- A. Finding the pH of the following samples by using pH paper/universal indicator: Unit-I  
i) Dilute Hydrochloric Acid  
ii) Dilute NaOH solution  
iii) Dilute Ethanoic Acid solution  
iv) Lemon juice  
v) Water  
vi) Dilute Hydrogen Carbonate solution

- B. Studying the properties of acids and bases (HCl&NaOH) on the basis of their reaction with:  
Unit-I

- i) Litmus solution (Blue/Red)  
ii) Zinc metal  
iii) Solid sodium carbonate

2. Performing and observing the following reactions and classifying them into: Unit-I

- A Combination reaction  
B. Decomposition reaction  
C Displacement reaction  
D Double displacement reaction

- i) Action of water on quicklime  
ii) Action of heat on ferrous sulphate crystals  
iii) Iron nails kept in copper sulphate solution  
iv) Reaction between sodium sulphate and barium chloride solutions

3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: Unit-I

- i)  $ZnSO_4(aq)$  ii)  $FeSO_4(aq)$  iii)  $CuSO_4(aq)$   
iv)  $Al_2(SO_4)_3(aq)$

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

4. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I. Unit-IV

5. Determination of the equivalent resistance of two resistors when connected in series and parallel. Unit-IV

6. Preparing a temporary mount of a leaf peel to show stomata. Unit- II

7. Experimentally show that carbon dioxide is given out during respiration. Unit-II

8. Study of the following properties of acetic acid (ethanoic acid): Unit- I

- i) Odour ii) Solubility in water iii) Effect on litmus  
iv) Reaction with Sodium Hydrogen Carbonate

1. Study of the comparative cleaning capacity of a sample of soap in soft and hard water. Unit- I

2. Determination of the focal length of: Unit-III i) Concave mirror ii) Convex lens by obtaining the image of a distant object

3. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. Unit – III

4. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides. Unit-II

5. Tracing the path of the rays of light through a glass prism. Unit-III

6. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).Unit-II

**SOCIAL SCIENCE** ----->

**APRIL (20) DAYS** 1. GEOGRAPHY Resources and development

2. POLITICAL SCIENCE Power sharing

**JUNE (10) DAYS** 1.ECONOMICS Development

**JULY( 18) DAYS** 1.HISTORY The rise of nationalism in Europe

2. GEOGRAPHY Forest and wild life

**Periodic Test 1 (PT 1)**

|  |  |   |
|--|--|---|
| <b>AUGUST (22) DAYS</b>                          | 1. HISTORY<br>2. GEOGRAPHY<br>3. ECONOMICS                                     | Nationalism in india<br>Water resources<br>Sectors of economy   |
| <b>SEPTEMBER (9) DAYS</b>                        | 1. POLITICAL SCIENCE   | Federalism  |
| <b>Periodic Test 2 (PT 2) – Half Yearly Exam</b> |  |   |
| <b>OCTOBER (19)</b>                              | 1. HISTORY<br><br>2. GEOGRAPHY<br><br>3. POLITICAL SCIENCE<br><br>4. ECONOMICS | The making of global world ( 1 to 1.3 , pre modern world to conquest, diseases and trade)<br>The age of industrialization ( internal assessment only)<br>Agriculture<br>Minerals and energy resources<br>Lifeline of Indian economy ( internal assessment)<br>Only map pointing<br>Gender religion and caste<br>Political Parties<br>Money and credit |
| <b>NOVEMBER (23) DAYS</b>                        | 1.HISTORY<br>2. GEOGRAPHY<br>3. POLITICAL SCIENCE<br>4. ECONOMICS              | Print culture and the modern world<br>Manufacturing industries<br>Outcomes of democracy<br>Globalization and the Indian economy<br>(* What is globalisation ,* factors that enabled the process of globalisation)   |
| (CONSUMER RIGHTS - PROJECT WORK)                 |  |   |
| <b>DECEMBER</b>                                  | <b>Periodic Test 3 (PT 3)</b>  | I Pre-Board Examination – Full syllabus   |
| <b>JANUARY</b>                                   |  | II Pre-Board Examination – Full Syllabus  |

#### LIST OF MAP ITEMS

#### History:

Nationalism in India –

- I. Congress sessions: • 1920 Calcutta  
• 1920 Nagpur  
• 1927 Madras session
- II. 3 Satyagraha movements: • Kheda • Champaran • Ahmedabad mill workers
- III. Jallianwala Bag
- IV. Dandi March

#### Geography:

Resources and Development – Identify Major Soil Types

Water Resources – Locating and Labelling: • Salal • Bhakra Nangal • Tehri  
• Rana Pratap Sagar • Sardar Sarovar • Hirakud  
• Nagarjun Sagar • Tuhgabhadra

Agriculture – Identify: • Major areas of Rice and Wheat  
• Largest/Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute

Minerals and Energy Resources – Identify: **a. Iron Ore mines** • Mayurbhanj • Durg  
• Bailadila • Bellary • Kudremukh  
**b. Coal Mines** • Raniganj • Bokaro • Talcher  
• Neyveli **c. Oil Fields** • Digboi • Naharkatia •  
• Mumbai High • Bassien • Kalol • Ankaleshwar  
**Locate and label: Power Plants:** • Thermal • Namrup • Singrauli • Ramagundam  
a. **Nuclear** • Narora • Kakrapara • Tarapur • Kalpakkam

Manufacturing Industries -

- I. Manufacturing Industries (Locating and labeling only)

- **Cotton textile Industries:** a. Mumbai, b. Indore, c. Surat, d. Kanpur, e. Coimbatore
- **Iron and Steel Plants:** a. Durgapur, b. Bokaro, c. Jamshedpur, d. Bhilai, e. Vijayanagar, f. Salem
- **Software technology Parks:** a. Noida, b. Gandhinagar, c. Mumbai, d. Pune, e. Hyderabad, f. Bengaluru, g. Chennai, h. Thiruvananthapuram

Lifelines of National Economy –

Locating and Labelling:

- a. Major Sea Ports
  - Kandla
  - Kochi
  - Paradip
  - Mumbai
  - Tuticorin
  - Haldia
  - Marmagao
  - Chennai
- b. International Airports
  - Amritsar (Raja Sansi-Sri Guru Ram Dasjee)
  - Delhi (Indira Gandhi)
  - Mumbai (Chhatrapati Shivaji)
  - Chennai (Meenam Bakkam)
  - Kolkata (Netaji Subhash Chandra Bose)
  - Hyderabad (Rajiv Gandhi)

## **INFORMATION TECHNOLOGY** ----->

Split-Up Syllabus:

| <b>PART-A: EMPLOYABILITY SKILLS</b> |   |              |
|-------------------------------------|---|--------------|
|                                     | <b>Units</b>                              | <b>Month</b> |
| <b>Part A</b>                       | Unit 1: Communication Skills-II           | July         |
|                                     | Unit 2: Self-Management Skills-II         | August       |
|                                     | Unit 3: ICT Skills-II                     | September    |
|                                     | Unit 4: Entrepreneurial Skills-II         | December     |
|                                     | Unit 5: Green Skills-II                   | December     |
|                                     | <b>PART-B: SUBJECT SPECIFIC SKILLS</b>    |              |
|                                     | <b>Units</b>                              | <b>Month</b> |
| <b>Part B</b>                       | Unit 1: Digital Documentation (Advanced)  | April & June |
|                                     | Unit 2: Electronic Spreadsheet (Advanced) | August       |
|                                     | Unit 3: Database Management System        | October      |
|                                     | Unit 4: Web Applications and Security     | November     |

- P.T-I:** Unit 1: Communication Skills-II(PART-A)  
Unit 1: Digital Documentation (Advanced)(PART-B)
- PT2 (HALF-YEARLY)** Unit 1: Communication Skills-II(PART-A)  
Unit 2: Self-Management Skills-II(PART-A)  
Unit 3: ICT Skills-II( PART-A)  
Unit 1: Digital Documentation (Advanced)(PART-B)  
Unit 2: Electronic Spreadsheet (Advanced)(PART-B)
- PT 3 (PRE-BOARD –I):** Unit 1: Communication Skills-II (PART-A)  
Unit 2: Self-Management Skills-II(PART-A)

Unit 3: ICT Skills-II( PART-A)  
Unit 4: Entrepreneurial Skills-II  
Unit 1: Digital Documentation (Advanced) (PART-B)  
Unit 2: Electronic Spreadsheet (Advanced) (PART-B)  
Unit 3: Database Management System (PART-B)  
Unit 4: Web Applications and Security (PART-B)

**PRE-BOARD -II:**

Unit 1: Communication Skills-II (PART-A)  
Unit 2: Self-Management Skills-II(PART-A)  
Unit 3: ICT Skills-II(PART-A)  
Unit 4: Entrepreneurial Skills-II(PART-A)  
Unit 5: Green Skills-II(PART-A)  
Unit 1: Digital Documentation (Advanced) (PART-B)  
Unit 2: Electronic Spreadsheet (Advanced) (PART-B)  
Unit 3: Database Management System (PART-B)  
Unit 4: Web Applications and Security (PART-B)

**PRACTICAL:**

Unit 1: Digital Documentation (Advanced) (PART-B)  
Unit 2: Electronic Spreadsheet (Advanced) (PART-B)  
Unit 3: Database Management System (PART-B)

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