

CHRIST SR. SEC. SCHOOL, GUNA

SYLLABUS – 2023 –24

CLASS - X

SUBJECT: ENGLISH

Month	Topic
April	Prose: 1. A Letter to God Poems: 1. Dust of Snow 2. Fire and Ice Footprints without feet 1. A Triumph of Surgery Grammar: Modals Writing: Formal Letter Periodic test 1
June	Prose: 2. Nelson Mandela - Long Walk to Freedom Grammar: Tense(revision)
July	Prose: 3. Two Stories About Flying 4.. From the Diary of Anne Frank Poems: 3. A Tiger in the Zoo 4. How to Tell Wild Animals Footprints without feet 2. The Thief's Story Grammar: Subject – verb concord Writing: Formal letter (Contd.)
August	Prose: 5. Glimpses of India Poems: 5. The Ball Poem 6. Amanda! Footprints without feet 3. The Midnight Visitor 4. A Question of Trust Grammar: Reported speech: ** Commands and requests Writing: Analytical Paragraph
September	Prose: 6. Mijbil the Otter Chapter 1 to 5 revision Poems: 7. The Trees 1 to 6 revisions Footprints without feet: 5. Footprints Without Feet and 1 to 4 revisions Grammar: Reported speech ** Statements ** Questions Determiners Writing: Letter & Analytical paragraph revision Half yearly examination
October	Prose 7. Madam Rides the Bus

	8. The Sermon at Benares Poems 8. Fog 9. The Tale of Custard the Dragon Footprints without feet: 6. The Making of a Scientist 7. The Necklace Grammar: Determiners, Modals; revision Writing: Letter & Analytical paragraph revision
November	Prose: 9. The Proposal (Play) Poem: 10. For Anne Gregory Footprints without feet: 8. Bholi 9. The Book that Saved the Earth Grammar: Modals revision
December	Prose: Revision 1 to 9 Poem: Revision 1 to 10 Footprints without feet: Revision 1 to 9 Grammar: Tense revision Writing: Letter & Analytical paragraph revision Pre-board 1
January	Revision full syllabus Pre-board examinations

SUBJECT : HINDI

अंक विभाजन

पाठन (अपठित) -- 10 अंक

व्याकरण -- 16 अंक

साहित्य -- 34 अंक

लेखन -- 20 अंक

कुल योग -- 80 अंक

अप्रैल

पद्म खंड -- सूरदास के पद

खद्य खंड -- नेताजी का चश्मा

व्याकरण -- अलंकार

लेखन -- औपचारिक-पत्र

●अपठित- गद्यांश

PT 1 (April)

जून-जुलाई

पद्म खंड -- तुलसीदास

खद्य खंड -- बालगोबिन भगत

कृतिका -- माता का आँचल

व्याकरण -- रचना के आधार पर वाक्य भेद

लेखन -- विज्ञापन-लेखन

●अपठित-काव्यांश

◆PT 1 जुलाई

अगस्त

पद्म खंड -- जयशंकर प्रसाद,

सूर्यकांत त्रिपाठी निराला

खद्य खंड -- लखनवी अंदाज

कृतिका -- साना-साना हाथ जोड़ि

व्याकरण -- वाच्य

सितंबर

लेखन -- ई - मेल

अनुच्छेद- लेखन

अनौपचारिक-पत्र

◆अर्द्ध वार्षिक परीक्षा) सितंबर (PT1+PT2 syllabus)

अक्टूबर

पद्म खंड -- नागार्जुन

खद्य खंड -- एक कहानी यह भी

व्याकरण -- पद परिचय

लेखन -- संदेश-लेखन

नवंबर

पद्म खंड -- मंगलेश डबराल

गद्य खंड -- नौबतखाने में इबादत, संस्कृति

कृतिका -- मैं क्यों लिखता हूँ

लेखन -- स्ववृत्त लेखन

दिसम्बर . (Revision), Pre-Board Exam 1

जनवरी

Pre-board Exam 2

SUBJECT: MATHEMATICS

Month

Chapter

TERM I

April	Chapter 2	Polynomials
	Chapter 3	Pair of Linear Equations in two variables
June	Chapter 1	Real Numbers
July	Chapter 4	Quadratic Equations
	Chapter 6	Similar Triangles
August	Chapter 5	Arithmetic Progressions
	Chapter 10	Circles
September	Chapter 13	Statistics
	Revision and Half Yearly Exam.	

TERM II

October	Chapter 8	Introduction To Trigonometry
	Chapter 9	Some Applications of Trigonometry
November	Chapter 7	Coordinate Geometry
	Chapter 12	Surface Areas and Volumes
December	Chapter 11	Area Related to circles
	Chapter 14	Probability

Split – Up Syllabus

P T 1	Chapter – 2, 3
P T 2	Chapter –1, 4, 6
Term I	Chapter – 1, 2, 3, 4, 5, 6, 10, 13
P T 3	Chapter – 7, 8, 9.

Annual Exam Full Syllabus

SUBJECT: SCIENCE

SUBJECT: 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

1ST Periodic Test Syllabus (April)

Physics

Chapter -9 Light – Reflection and Refraction (Only Reflection)

Chemistry

Chapter 1--Chemical reactions and Equations (up to balancing the chemical equations)

Biology

Chapter 5 -Life Processes (Till Nutrition in human beings)

2nd periodic test syllabus (July)

Physics

Chapter -9- Light – Reflection and Refraction (Only Refraction)

Chemistry

Chapter 1--Chemical reactions and Equations (Types of Chemical reactions rancidity and corrosion)

Biology

Chapter 5 --Life Processes (Nutrition in human being and respiration)

Half yearly examination (September) (PT3)

Physics

Chapter 9 Light – Reflection and Refraction

Chapter 10 The human eye and colourful world

Chemistry

Chapter 1 Chemical Reactions and Equations

Chapter 2 Acids, Bases and Salts (Up to chemical properties of acids and bases)

Biology

Chapter 5 Life processes

Chapter 6 Control and Coordination (co-ordination in animals)

Physics

Chapter 11 – Electricity

Chemistry

Chapter 3 Metals and Non-metals

Biology

Chapter 7 – How do organisms reproduce?

(Frist Pre-Board Exam – December)

Physics

Chapter 9 Light – Reflection and Refraction

Chapter 10 The Human Eye and the Colourful World

Chapter 11 Electricity

Chapter 12 Magnetic Effects of Electric Current

Chemistry

Chapter 1 Chemical Reactions and Equations

Chapter 2 Acids, Bases and Salts

Chapter 3 Metals and Non-metals

Chapter 4 Carbon and its Compounds

Biology

Chapter 5 Life Processes

Chapter 6 Control and Coordination

Chapter 7 How do Organisms Reproduce?

Chapter 8 Heredity

Chapter 13 Our Environment

ANNUAL EXAMINATION

Chapter 1 Chemical Reactions and Equations

Chapter 2 Acids, Bases and Salts

Chapter 3 Metals and Non-metals

Chapter 4 Carbon and its Compounds

Chapter 5 Life Processes

Chapter 6 Control and Coordination

Chapter 7 How do Organisms Reproduce?

Chapter 8 Heredity

Chapter 9 Light – Reflection and Refraction

Chapter 10 The Human Eye and the Colourful World

Chapter 11 Electricity

Chapter 12 Magnetic Effects of Electric Current

Chapter 13 Our Environment

PRACTICALS

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

LIST OF EXPERIMENTS

1. 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

- a) Litmus solution (Blue/Red)
- b) Zinc metal
- c) 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) $\text{Al}_2(\text{SO}_4)_3$ (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

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

10. Determination of the focal length of: Unit-III

- i) Concave mirror
- ii) Convex lens

by obtaining the image of a distant object

11. 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

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

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

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

SUBJECT: SOCIAL SCIENCE
SOCIAL SCIENCE

<u>No.</u>	<u>Units</u>	<u>Marks</u>
I	India and the Contemporary World – II (History)	20
II	Contemporary India – II(Geography)	20
III	Democratic Politics – II(Civics)	20
IV	Understanding Economic Development (Economics)	20
Internal Assessment		20
Total:		100

1st Periodical Test (April)

I. Geography

Chapter 1 – Resources and Development (April)

II. Economics

Chapter 1 – Development (April)

2nd periodical Test(July)

I. Civics

Chapter 1 – Power Sharing (June)

II. Geography

Chapter 2 – Forest and Wildlife (July)

III. History

Chapter 1 – The Rise of Nationalism in Europe (July)

Half Yearly Exam/Periodical Test(September)PT1+PT2 (September)

I. History

Chapter 2 – Nationalism in India (August)

II. Geography

Chapter 3 – Water Resources (August)

III. Civics

Chapter 2 – Federalism (August)

IV. Economics

Chapter 2 – Sectors of the Indian Economy(September)

3rd Periodical Test - November

I. History

Chapter 3 – The making of a global world (October)

Chapter 4 – The Age of Industrialization (October) (Internal Assesmsnet only)

II. Geography

Chapter 4 - Agriculture (October)

Chapter 5 – Mineral and Energy Resources (October)

Chapter 7 – Lifelines of Indian Economy (October) (Internal Assessment)

First Pre-Board Exam (December)

III. Civics

Chapter 4 – Gender, Religion and Caste (November)

Chapter 6 – Political Parties (November)

Annual Examination (PT1 + PT2 + PT 3)

I. History

Chapter 5 – Print Culture and the Modern World (November)

II. Geography

Chapter 6 – Manufacturing Industries (December)

III. Civics

Chapter 7 - Outcomes of Democracy (December)

IV. Economics

Chapter 3 – Money and Credit (December)

Chapter 4- Globalization and the Indian Economy (December)

February- Revision

Project work- Every student has to compulsorily undertake any one project on the following topics:

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

MAP QUESTIONS:

A. HISTORY (Outline Political Map of India)

Chapter - 3 Nationalism in India – (1918 – 1930) for locating and labelling / Identification

1. Indian National Congress Sessions:

- a. Calcutta (Sep. 1920)
- b. Nagpur (Dec. 1920)
- c. Madras (1927)

2. Important Centres of Indian National Movement

- a. Champaran (Bihar) - Movement of Indigo Planters
- b. Kheda (Gujarat) - Peasant Satyagrah
- c. Ahmadabad (Gujarat) - Cotton Mill Workers Satyagraha
- d. Amritsar (Punjab) - Jallianwala Bagh Incident
- e. Dandi (Gujarat) - Civil Disobedience Movement

B. GEOGRAPHY (Outline Political Map of India)

Chapter 1: Resources and Development (Identification only)

- a. Major soil Types

Chapter 3: Water Resources (Locating and Labelling)

Dams:

- a. Salal b. Bhakra Nangal c. Tehri d. Rana Pratap Sagar
- e. Sardar Sarovar f. Hirakud g. Nagarjuna Sagar h. Tungabhadra

Chapter 4: Agriculture (Identification only)

- a. Major areas of Rice and Wheat
- b. Largest / Major producer states of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute

Chapter 5: Minerals and Energy Resources

Minerals (Identification only)

a. Iron Ore mines

Mayurbhanj, Durg, Bailadila Bellary Kudremukh

b. Coal Mines

Raniganj, Bokaro, Talcher, Neyveli

c. Oil FieldsDigboi, Naharkatia, Mumbai High, Bassien, Kalol
Ankaleshwar**Power Plants : (Locating and Labelling only)****a. Thermal**

Namrup, Singrauli, Ramagundam,

b. Nuclear

Narora Kakrapara Tarapur Kalpakkam

Chapter 6: Manufacturing Industries (Locating and Labelling Only)

(Locating and Labelling 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**Chapter 7: Lifelines of National Economy****Major Ports: (Locating and Labelling)**a. Kandla b. Mumbai c. Marmagao d. New Mangalore
e. Kochi f. Tuticorin g. Chennai h. Vishakhapatnam
i. Paradip j. Haldia**International Airports:**a. Amritsar (Raja Sansi - Sri Guru Ram Dass jee) b. Delhi (Indira Gandhi)
c. Mumbai (Chhatrapati Shivaji) d. Chennai (Meenam Bakkam)
e. Kolkata (Netaji Subhash Chandra Bose) f. Hyderabad (Rajiv Gandhi)**Note: Items of Locating and Labelling may also be given for Identification.**

Information TechnologyAcademic year: 2023-24

Part A	EMPLOYABILITY SKILLS	
	Units	
	Unit 1: Communication Skills-II	August
	Unit 2: Self-Management Skills-II	July
	Unit 3: ICT Skills-II	April(Session:1 &2) June (Session:3 to 5)
	Unit 4: Entrepreneurial Skills-II	October
	Unit 5: Green Skills-II	October
Part B	SUBJECT SPECIFIC SKILLS	
	Units	
	Unit 1: Digital Documentation (Advanced)	Before 20 th July
	Unit 2: Electronic Spreadsheet (Advanced)	August
	Unit 3: Database Management System	September
	Unit 4: Web Applications and Security	November

Split-Up Syllabus:

- P.T-I:** Unit 3: ICT Skills-II (Session:1 & 2) (PART-A)
- P.T-II:** Unit 3: ICT Skills-II(session:3 to 5) (PART-A)
Unit 1: Digital Documentation (Advanced)(PART-B)
- 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)
- PRACTICAL:** Unit 1: Digital Documentation (Advanced) (PART-B)
Unit 2: Electronic Spreadsheet (Advanced) (PART-B)
- P.T-III:** Unit 4: Entrepreneurial Skills-II (PART-A)
Unit 5: Green Skills-II (PART-A)
Unit 3: Database Management System (PART-B)
- PRE-BOARD:** Unit:1-5 (PART-A)
Unit:1-4 (PART-B)
- PRACTICAL:** Unit 3: Database Management System (PART-B)
Unit 4: Web Applications and Security (PART-B)
