



**Syllabus**

**Class – X**

# GLENHILL SCHOOL, VARANASI

## Book List - 2024-25 Class – X

<b>Book</b>	<b>Publisher</b>
<b>English</b>	
First Flight - X	NCERT
A Foot Print without Feet – X	NCERT
English Plus Practice Book - X	Full Marks
Word and Expression	
<b>Hindi</b>	
Kshitij- X	NCERT
Kritika- X	NCERT
Manak Hindi Vyakaran Tatha Rachana-X	Sarswati
<b>Maths</b>	
Mathematics-X NCERT	
Speed Mathematics Laboratory Manual-X	Souvenir
Mathematics - X R.S.	Aggrawal
<b>Science</b>	
A text books of Science-X	NCERT
Science Lab Skills-X	Souvenir
<b>Social Science</b>	
India and Contemporary World II-X	NCERT
Contemporary India II-X	NCERT
Democratic Politics II-X	NCERT
Disaster Management II-X	NCERT
Understanding Economics II-X	NCERT
Map Practice History & Geography-X	Soni
<b>Information Technology (402)</b>	
Touch Pad Orange Pub.	
<b>Physical Education</b>	
Keep Fit (A Text book of Physical & Health Edu.)-X	Evergreen
Health and Physical Education Practical Record-X	Sarswati
<b>Stationary</b>	
Long Register (148 Pages)- Eng/Hindi/Math/S.Sc.	11
Single Ruled Interleaf (148 Pages)- Sc/Comp.I	4
Gel Pen Blue & Black	1 Each

# GLENHILL SCHOOL, VARANASI

## Syllabi of Class X (2024 – 25)

**English : Books -** 1. First Flight (Text Book)  
2. Footprints Without feet:  
3. Practice Book (English Plus)  
4. Word and Expression

### Periodic Test I

**Reading Comprehension** : Discursive Passage

**Prose & Poetry** : First Flight - 1. A Letter to God, 2. Nelson Mandela - Long Walk to freedom, Dust of Snow, Fire and Ice, A Tiger in the Zoo

**Supplementary** : Footprints without feet - 1. A Triumph of Surgery

**Writing & Grammar** : Letter to the Editor, Determiners word and Exp. unit - I

### Periodic Test II :

**Reading Comprehension**: Case Based Passages (with visual input - statical and chart etc.)

**Prose & Poetry** : 3. Two Stories about flying, 4. From the Diary of Anne Frank, How to Tell Wild Animals

**Supplementary** : 2. The Thief's Story, 3. The Midnight's Visitor

**Writing & Grammar** : Analytical Paragraph (map & chart), Tense, Modals, Word and Exp. unit 2 & 3

**Half Yearly Exam** : **Reading Comprehension** - As per PT I & II

**Prose & Poetry** : 5. Glimpses of India - A Baker from Goa, Coorg, Tea from Assam, The Ball Poem

**Supplementary** : 4. A Question of Trust, 5. Footprints Without Feet

**Writing & Grammar** : Letter of Enquiry (Product / Service), Letter of Complaints (Official / Business), Reported Speech, Word and Exp. unit 4 & 5

**Note -** : Half yearly syllabus shall cover the syllabus PT – I & PT – II as well.

### Pre Board 1 and 2 :

**Reading Comprehension**: As per Half Yearly Exam.

**Prose & Poetry** : 6. Mijbil the Otter, 7. Madam Rides the Bus,  
: 8. The Sermon at Benaras - Amanda. The Tree.

: 9. The Proposal - Fog, The Tale of Custard the Dragon, For Anne Gregory

**Supplementary** : 6. The Making of a Scientist,

: 7. The Neckless, 8. Bholi,

: 9. The Book that Saved the Earth

**Writing & Grammar** : Placing Order, Diary Entry, Sub-Verb

Concord, Reported Speech (Command and Request), Word and Exp. unit 6, 7, 8 & 9

: Writing Section - Syllabus shall include the syllabus of PT I, PT II and Half Yearly Syllabus Integrated - Grammar based on PT I, PT II and Half Yearly syllabus, Word and Exp. unit 10 & 11

### **Note -**

: 1. Pre-board papers shall cover the syllabus of all the PTs also.

2. ALS, AIP, Portfolio and Multiple Activities will be the part of internal assessment.

हिन्दी : पुस्तकों के नाम - 1. क्षितिज - भाग दो

2. कृतिका - भाग दो

3. व्यवहारिक व्याकरण (सरस्वती मानक)

वार्षिक बोर्ड परीक्षा हेतु पाठ्यक्रम का भार-विभाजन

खण्ड (अ) 1. अपठित काव्यांश एवं गद्यांश पर आधारित लघु , अतिलघु प्रश्न, बहुविकल्पीय प्रश्न,

2. व्यावहारिक व्याकरण पर आधारित अतिलघु, लघु प्रश्न खण्ड (ब) पाठ्य पुस्तक

लेखन कौशल : अनुच्छेद , पत्र लेखन, ई-मेल

लेखन, स्ववृत्त लेखन, विज्ञापन लेखन, संदेश एवं शुभकामना लेखन

प्रथम आवधिक परीक्षा : क्षितिज - भाग दो

गद्य खण्ड : नेताजी का चश्मा

काव्य खण्ड : सूरदास के पद

व्याकरण : रचना के दृष्टि से वाक्य भेद

द्वितीय आवधिक परीक्षा	: क्षितिज - भाग दो गद्य खण्ड : बालगोविन्द भगत काव्य खण्ड : रामलक्ष्मण परशुराम संवाद
पूरक पुस्तिका	: कृतिका भाग दो : माता का आंचल
व्याकरण	: वाच्य : लेखन कौशल : अनुच्छेद लेखन
अर्द्धवार्षिक परीक्षा	: क्षितिज - भाग दो
गद्य खण्ड	: 1. लखनवी अंदाज, 2. एक कहानी यह भी
काव्य खण्ड	: 1. आत्मकथा 2. उत्साह अट नहीं रही
कृतिका	: साना साना हाथ जोड़ि : अपठित गद्य एवं काव्य पठित गद्य एवं काव्य
व्याकरण	: पद-परिचय, अलंकार
लेखन	: अनुच्छेद लेखन, पत्र लेखन, स्ववृत्त लेखन, विज्ञापन लेखन, ई-मेल लेखन, संदेश लेखन
: नोट -	प्रथम एवं द्वितीय आवधिक परीक्षा का सम्पूर्ण पाठ्यक्रम भी शामिल।
प्री बोर्ड परीक्षा	:
गद्य खण्ड	: नौबतखाने में इबादत : संस्कृति
काव्य खण्ड	: यह दंतुरित मुस्कान फसल : संगतकार
व्याकरण	: पद परिचय, पत्र लेखन : क्षितिज - भाग दो : वाच्य, पद-परिचय, अलंकार, रचना के दृष्टि से वाक्य भेद। : लेखन- अनुच्छेद लेखन, पत्र लेखन, स्ववृत्त लेखन, ई-मेल, विज्ञापन एवं संदेश शुभकामना लेखन
कृतिका	: मैं क्यों लिखता हूँ। : अपठित गद्य एवं काव्य, पठित गद्य एवं काव्य
: नोट -	प्रथम, द्वितीय एवं अर्द्धवार्षिक परीक्षा का पूरा पाठ्यक्रम भी शामिल।

**Mathematics : Mathematics Test Book for Class X (NCERT)],**  
**: Reference Book - By R.S. Aggrawal**  
**Lab Manual : Speed Mathematics by Souvenir Publication**  
**Periodic Test I : Ch-1 Real Numbers**

<b>Periodic Test II</b>	: Ch-2 Polynomials : Ch-3 Pair of linear equations in two variables. : Ch- 4 Quadratic equations : Ch- 5 Arithmetic Progressions
<b>Half yearly Exam</b>	: Ch- 1 to Ch- 5 + Ch- 6 Triangles : Ch-7 Coordinate Geometry : Ch-8 Introduction to Trigonometry : Ch -13 Statistics
<b>Lab Activities 1.</b>	Obtain condition for consistency or inconsistency for given system of Linear equations in two variables 2. Verification of Basic Proportionality Theorem using parallel line board. 3. Verification of the given sequence is an A.P. or not 4. Verification of sum of first n odd natural numbers is $n^2$ 5. Verification of sum of n natural numbers is $n(n+1)/2$
<b>Pre-Board – I &amp; II</b>	: Ch 1 to 8 , Ch 13 : Ch-9 Some application of Trigonometry : Ch- 10 Circles : Ch- 11 Area related to circles : Ch- 12 Surface areas & Volumes : Ch- 14 Probability
<b>Lab Activity</b>	: 6. Demonstration of the area of circle is half the product of its 'C' and 'r' 7. Draw tangents to a circle using paper cutting and folding method.
<b>Physics : Book – NCERT, Exemplar</b>	
<b>Periodic Test I</b>	: Ch - 10 Light : Reflection and Refraction
<b>Periodic Test II</b>	: Ch - 11 Human Eye and Colourful World
<b>Half yearly Exam</b>	: Both Chapter of PT I and PT II
<b>Periodic Test III</b>	: Ch- 12 Electricity
<b>Practical : Exp. 1.</b>	: Studying the dependence of potential difference across a resistor on the current (I)

passing through it and Determine its resistance also plotting a graph between V and I

**Exp. 2.** Determination of equivalent resistance of two resistors when connected in series & parallel

**Exp. 3.** Determination of the focal length of - (I) Concave Mirror, (II) Concave Lens By Obtaining the image of a distant object

**Exp. 4.** Tracing the path of the rays of light passing through a rectangular glass slab for different angle of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.

**Exp. 5.** Tracing the path of rays of light through a glass prism.

: Term I - Exp no. 3, 4, 5

: Term II - Exp no. 1, 2

**Chemistry : Book - NCERT**

**Periodic Test I** : Ch- 1 Chemical reactions and equations

**Periodic Test II** : Ch- 2 Acids, bases and salts

**Half Yearly Exam.** : Ch- 3 Metals and non metals (Included PT I and PT II)

**Pre Board Exam.** : Ch- 1 Chemical reactions and equations

: Ch- 2 Acids, bases and salts

: Ch- 3 Metals and non metals

: Ch- 4 Carbon and its compounds

**List of Experiment : PT - I Examination**

: 1. Performing and observing the following reactions and classifying into.

(a) Combination Reaction

(b) Decomposition reactions

(c) Displacement Reaction

(d) Double displacement reactions.

**PT - II Examination**

2. Finding the pH of the following sample by using pH paper universal indicator

(I) Dilute HCL (II) Dil NaOH

(III) Dilute Ethanoic Acid

(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

(a) Litmus Solution (b) Zinc Metal

(c) Sodium Carbonate

**Half Yearly Exam.** : 3. Observing the action of Zn, Fe, Cu and Al metal on the following salt solutions.

(I) ZnSO<sub>4</sub> (aq) (II) FeSO<sub>4</sub> (aq) (III)

CuSO<sub>4</sub> (aq) (VI) Al<sub>2</sub> (SO<sub>4</sub>)<sub>3</sub> (aq)<sup>2,3</sup>

Arrange Zn, Fe, Cu and Al in the decreasing order of reactivity based on the above metals

4. Study of the following properties of acetic acid

(I) Odour (II) Solubility in water (III) Effect on litmus (IV) Reaction with NaHCO<sub>3</sub>

**Biology : Book - NCERT**

**Periodic Test I** : The world of living - Life Processes. Nutrition, stomata.

**Periodic Test II** : 1. Respiration, Transportation in living

: 2. Excretion in plant and animals

: 3. Control and Co-ordination

**Practical :**

1. Preparing a temporary mount of a leaf peel to show stomata

: 2. Experiment show that CO<sub>2</sub> is given out during respiration

**Half Yearly Exam :** 4. Reproduction + Included PT I, II

**Practical :**

1. Study binary fission in Amoeba Budding in yeast and Hydra

2. Identification of the different parts of embryo of a dicot seed

**Pre-Board I & II**

: 5. Heredity

: 6. Our Environment (Including PT I, PT II, Half

Yearly )

**Social Science** : **Books - 1. India and Contemporary world-II (NCERT), 2. Contemporary India-II (NCERT), 3. Democratic Politics-II (NCERT), 4. Economics**

**Periodic Test I** : **History**  
: Ch- 1 The Rise of Nationalism in Europe

**Periodic Test II** : Ch - 2 Nationalism in India

**Half Yearly Exam** : Ch - 3 The making of the Global World (Sub topics 1 to 1.3)  
(Pre modern world to conquest, disease and trade)  
: Ch-1, Ch-2, and Ch-3

**Pre Board Exam.** : Ch- 1, CH-2, Ch-3, Ch-5

**Geography :**

**Periodic Test I** : Ch- 1 Resources and Development

**Periodic Test II** : Ch-2 Forest and Wildlife Resources  
: Ch-3 Water Resources

**Half Yearly Exam** : Ch - 1, Ch - 2, Ch - 3, Ch - 4

**Pre Board Exam.** : Ch-1, CH- 2, Ch- 3, Ch- 4, Ch- 5, Ch- 6, Ch- 7 (Map)

**Democratic Politics :**

**Periodic Test I** : Ch- 1 Power sharing

**Periodic Test II** : Ch- 2 Federalism

**Half Yearly Exam.** : Ch- 1, Ch- 2, Ch- 3

**Pre Board Exam.** : Ch- 1, Ch- 2, Ch- 3, Ch- 4, Ch- 5

**Economics**

**Periodic Test II** : Ch- 1 Development  
: Ch- 2 Sectors of Indian Economy

**Half Yearly Exam.** : Ch- 1, Ch- 2, Ch- 3  
: Ch -5 Consumer rights (only for project work)

**Pre Board Exam.** : Ch- 1, Ch- 2, Ch- 3, Ch- 4

**Map work** : **History**  
Calcutta session of congress sept. 1920  
Nagpur session of congress Dec. 1920  
Madras session of congress 1927  
Kheda, Champaran, Ahemadabad,  
Jallianwala bagh, Dandi march

**Map work** : **Geography**

1. Resources and Development - identify major soil types
2. Water Resources - Locating and labeling Salal, Bhakhra nangal, Tehri, Sagar, Sardar Rampratr  
Sarover, Hirakund, Nagarjuna Sagar, Tungabhadra
3. Agriculture - Major area of wheat and Rice Largest major producer states of Sugar cane, Tea, Coffee, Rubber, Cotton
4. Mineral and Energy - Identify - 1. Iron - ore mine - Mayurbhanj, Durg, Bailadila, Bellary, Kundremukh  
2. Cool Mine - Raniganj, Bakaro, Talchar, Neyveli,  
3. Oil Fields - Digbai, Naharkatia, Mumbai high, Bassion, Kalol, Ankleshwar Power plants Thermal - Namrup, singrauli, ramagundam,
5. Manufacturing Industries - Locating and Labeling - 1. Cotton textile industries - Mumbai, Indore, Surat, Kanpur, Coimbatore
6. Iron and Steel Plants - Durgapur, Bokaro, Jamshedpur, Bhilai, Vijaynagar, Salem

**Software technology Park** - Noida, Gandhinagar, Mumbai, Pune, Hyderabad, Bangalore, Chennai, Tiruvananthapuram

**7. Lifeline of National Economy - Major Sea port** - Kandla, Mumbai, marmagao, New manglore, kochi, Tuticorin, Chennai, Paradip, Vishakhapatanam, Haldia

**International Airports** - 1. Amritsar - (Raja Sansi), 2. Delhi (Indira Gandhi), 3. Mumbai (Chhatrapati shivaji),

- 4. Chennai (Meenam Bakkam) 5.Kolkata  
(Netaji subhas chandra bose),
- 6. Hyderabad (Rajiv Gandhi)

**Information Technology(402): Book- Touchpad-10 (Orang Pub.)**

**Half Yearly Exam. :**

**Part A : Employability Skills**

- Unit 1 : Communication Skills -II
- Unit 2 : Self-Management Skills
- Unit 3 : ICT Skills

**Part B : Subject Specific Skills**

- Unit 1 : Digital Documentation (Advanced)
- Unit 2 : Electronic Spreadsheet (Advanced)

**Annual Exam. :**

**Part A : Employability Skills**

- Unit 4 : Entrepreneurial Skills - II
- Unit 5 : Green Skills - II

**Part B : Subject Specific Skills**

- Unit 3 : Database Management System
- Unit 4 : Web Application and Security

**Drawing :**

**Half Yearly Exam.** : Object drawing, Portrait, Landscape,  
Poster drawing, Face Study, Animals Study.

**Annual Exam :** Cartoon Drawing, Nature Drawing,  
Flowers Drawing, Animals Study, Human  
Study, Paper Collage, Tree Drawing,  
Element of Art.

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