



Syllabus

Class – XII

GLENHILL SCHOOL, VARANASI

Book List - 2024-25 Class – XII

Book	Publisher
English	
Hornbill	NCERT
Snapshots	NCERT
English Practice Paper-XII	Evergreen
Hindi	
Aaroh-1	NCERT
Vitaan-1	NCERT
Abhivyakti aur Madhyam	NCERT
Math	
A Text Book of Mathematics-XII	NCERT
R. S. Aggrawal	
Physics	
A Text Book of Physics - I & II	NCERT
Lab Manual Physics	Evergreen
Chemistry	
A Text Book of Chemistry- I & II	NCERT
Lab Manual Chemistry-XII	Evergreen
Biology	
A Text Book of Biology- I & II	NCERT
Lab Manual Biology	Evergreen
Accountancy	
Accountancy- I & II	NCERT
Accounting (S C Sharma)	Arya
B. Studies	
Business Studies-XII	NCERT
Business Studies-XII (Poonam Gandhi)	Indian Pub.
Economics	
Microeconomics	NCERT
Statistics for Economics-XII	NCERT
Economics-XII	Indian Pub.
Computer	
Computer Pythan for XII	Dhanpat Rai
Information of Practice Pythan-XII	Dhanpat Rai
Physical Edu.	
Soni Physical Education & Health-XII	Soni
Health and Physical Education Practical Record-XII	Sarswati
Stationary	
Long Register (148 Pages)	11
Single Ruled Interleaf- Phy/Chem/Bio/Comp.	4
Gel Pen Blue & Black	1 Each

GLENHILL SCHOOL, VARANASI

Syllabi of Class XII (2024 – 25)

English : Book : Flamingo (Core Reader)

Vistas (Supplementary Reader)

Practice (Work Book)

Periodic Test I :

Reading & Comprehension: 1. Unseen Passage

Writing Skills : Notice, Informal Invitation

Literature : My mother at sixty six, The last Lesson, The Third level,

The Tiger King

Periodic Test II :

Reading & Comprehension: 1. Unseen Passage

Writing Skills : Formal Invitation & Letter

Literature : Keeping Quiet, Lost Spring, Deep Water,

Journey to the end of the Earth

Half Yearly Exam. :

Reading & Comprehension: 2. Unseen Passages

Writing Skills : (PT - 1 + PT - 2), Article

Literature : A Thing of Beauty, The Rat - Trap, Indigo, The Enemy

(including PT - 1 + PT - 2 syllabus)

Pre Boards

Reading & Comprehension : 2. Unseen Passages

Writing Skills : Report Writing as well as rest of the topic

Literature whole syllabus including the following

i) Roadside Stand

ii) Poets and Pancakes

iii) The Interview

iv) On the Face of it

हिन्दी : निर्धारित पुस्तकें -

1. आरोह भाग - 2

2. वितान भाग - 2

3. अभिव्यक्ति और माध्यम

आवधिक परीक्षा प्रथम :

पद्य : आरोह भाग - 2

: आत्म परिचय - हरिवंश राय बच्चन

: दिन जल्दी जल्दी ढलता है - हरिवंश राय बच्चन

गद्य : भक्तितन - महादेवी वर्मा

अभिव्यक्ति और माध्यम : विभिन्न माध्यमों के लिए लेखन माध्यम

आवधिक परीक्षा द्वितीय : आरोह भाग - 2

गद्य : बाजार दर्शन - जैनेन्द्र कुमार

: काले मेघा पानी दे - धर्मवीर भारती

पद्य : पतंग - आलोक धन्वा

: कविता के बहाने - कुँवर नारायण

: बात सीधी थी पर - कुँवर नारायण

वितान भाग - 2 : सिल्वर वैडिंग - मनोहर श्याम जोशी

अर्द्धवार्षिक परीक्षा : अभिव्यक्ति और माध्यम

: 2. पत्रकारीय लेखन के विभिन्न रूप और लेखन प्रक्रिया

: 3. कैसे करें कहानी का नाट्य रूपांतरण

: आरोह भाग - 2

गद्य : पहलवान की ढोलक - फणीश्वर नाथ 'रेणु'

पद्य : कैमरे में बंद अपाहिज - रघुवीर सहाय

: उषा - शमशेर बहादुर सिंह

वितान भाग - 2 : जूझ - डा० आनन्द यादव

प्री बोर्ड परीक्षा : आरोह भाग - 2

गद्य : शिरीष के फूल - डॉ० हजारी प्रसाद द्विवेदी

पद्य : बादल राग - सुर्यकान्त त्रिपाठी निराला

: कवितावली - तुलसीदास

: लक्ष्मण मूर्च्छा और राम का विलाप - तुलसीदास

वितान भाग - 2 : अतीत में दबे पाँव - ओम थानवी

अभिव्यक्ति और माध्यम

विशेष लेखन के स्वरूप और प्रकार, कैसे बनता है

रेडियो नाटक, नए और अप्रत्याशित विषयों पर लेखन

प्री बोर्ड परीक्षा : आरोह भाग - 2

गद्य : श्रम विभाजन एवं जाति प्रथा - डा० भीमराव आंबेडकर

पद्य : रूबाइयाँ - फिराक गोरखपुरी

: छोटा मेरा खेत - उमाशंकर जोशी

: बगुलों के पंख - उमाशंकर जोशी

अभिव्यक्ति और माध्यम : नये और अप्रत्याशित विषयों पर लेखन और पूरा सिलेबस

**Mathematics : Book - 1. Part 1st and 2nd (NCERT)
2. R.S. Aggrawal**

Periodic Test I : Ch- 1 Inverse Trigonometric functions

Ch- 2 Matrices

Ch- 3 Determinants

Periodic Test II : Ch- 1 Relations and functions

: Ch- 2 Inverse Trigonometric functions

: Ch- 3 Matrices

: Ch- 4 Determinants

: Ch- 5 Continuity & Differentiability

Half Yearly Exam. : Ch- 1 Relations and functions

: Ch- 2 Inverse Trigonometric functions

: Ch- 3 Matrices

: Ch- 4 Determinants

: Ch- 5 Continuity, Differentiability & Differentiation

: Ch- 6 Application of Derivatives

Pre Board : All the chapters from the books 1 and 2nd st

Physics : Book Name : N.C.E.R.T. (Vol. I + II)

Periodic Test I : Unit - I Ch-1 Electric charges and fields.

Periodic Test II : Ch-2 Electrostatic potential and capacitor

: Unit- II Ch-3 Current Electricity

Half Yearly Exam. : Unit - I & Unit - II

: Unit- III Ch-4 Moving charges and magnetism.

: Ch-5 Magnetism and matter

: Unit-4 Ch-6 Electromagnetic Induction

: Ch-7 Alternating current.

: Unit-5 Ch-8 Electromagnetic waves.

Practical : 1 (A), 2 (A), 3 (A), 4 (A)

Pre Boards: Unit-6 Ch-9 Ray optics and optical instruments

: Ch-10 Wave optics and

: All Portions of Unit-1, 2, 3, 4, 5, 6

: Unit-7 Ch- 11 Dual nature of Radiation and matter

: Unit-8 Ch- 12 Atoms, Ch- 13 Nuclei

: Unit-9 Ch- 14 Semiconductor Electronics material devices and simple circuits

Practical : 1 (B), 2 (B), 3 (B), 4 (B)

Activity : 1 (A), 2 (A), 3 (A), 1 (B), 2 (B), 3 (B)

Investigatory Project : Project with working model

Chemistry : NCERT Chemistry - (Part - I & II)

Periodic Test I : Ch- 1 Solutions

: Ch- 2 Electrochemistry

Periodic Test II : Ch- 3 Chemical Kinetics + P.T. I

Half Yearly Exam : Ch- 4 D & F block

: Ch- 5 Co-ordination Compound

: Ch- 6 Haloalkane & Haloarenes & P.T. 1 &

P. T. 2 Syllabus

Pre Boards: Ch- 7 Alcohol phenols & Ether

: Ch- 8 Aldehyde, Ketone & Carboxylic Acid

: Ch- 9 Amine

: Ch - 10 Bio Molecules

: and Whole Previous Syllabus

Biology : NCERT

Periodic Test I : Ch-1 Sexual Reproduction in flowering Plants

Periodic Test II : Ch-2 Human reproduction

: Ch-3 Reproductive health

: Ch-4 Principal of Inheritance and Variation

Practical : 1. Prepare a temporary mount to observe pollen germination

: 2. Study the plant population density by quadrat method:

: 3. Study the plant population frequency by Quadrat method

: 4. Prepare a temporary mount of onion root tip to study mitosis.

: 5. Isolation of DNA

Half Yearly Exam. : Ch-5 Molecular basis of Inheritance

: Ch-6 Evolution

: Ch-7 Human Health and disease and

: Ch- 8 Microbes in human welfare

Practical : 6. Study and observe the given spotting

: 7. wind, insects pollination

: 3. T.S. of Morula or blastula

: 4. Mendelian inheritance pattern by using seeds

Pre Boards : Ch- 9 Biotechnology - Principles, Process and Application
Practical : 5. Pedigree Analysis
: 6. Emasculation, Bagging Tagging
: 7. Disease Causing Organisms
: 8. Morphological Adaptation of Plant Xerophic Condition
: Ch- 10 Ecology and Environment Organisms & Population
: Ecosystem
: Ch- 11 Biodiversity and its Conservation and whole previous syllabus

Commerce : Business studies

P. T. I : Unit - 1
P. T. II : Unit - 2, Unit - 3, Unit - 4 & Unit - 5
Half Yearly : Unit - 1 to Unit - 8
Pre Boards : Unit 1 to 12

Commerce : Accountancy

P. T. I : Unit - 1 (Ch-1)
P. T. II : Unit - 2 (Ch. - 2 to 5)
Half Yearly : Unit - 1 & Unit - 2
Pre Boards :
: Unit - 1, Unit - 2 , Unit - 3 & Unit – 4 and whole previous syllabus

Economics : Book - 1 : Macroeconomics

Periodic Test I : Unit -1 National Income and Related Aggregates
Periodic Test II : Book - 1 : Macroeconomics
Unit -1 : National Income and Related Aggregates
Unit -2 : Money & Banking
: Book - 2 : Indian Economic Development
Unit -6 : Ch-1 Indian Economic Development on the eve of Independence
: Ch-2 Economic Planning, Ch-3 Economic Reforms in India
Half Yearly Exam. : Book - 1 : Macroeconomics
: PT -1 + PT -2 + Balance of Payment + Foreign Exchange
: Book - 2 : Indian Economic Development
: PT -1 + PT -2 + Human Capital Formation+ Employment

Pre Boards : Book - 1 : Macroeconomics – Full Syllabus
: Book - 2 : Indian Economic Development - Full Syllabus
Commerce (B) : Marketing
Half Yearly : Unit -1 & Unit - 2
Pre Board : Unit - 1 to Unit – 5

Physical Education : Text Book : Soni Publication

Periodic Test I : Ch-1 Management of Sporting Event
: Ch-2 Children & Women in Sport
Periodic Test II : Ch-3 Yoga or Preventive Measure of Lifestyle Disease
: Ch-4 Physical Education & Sport for (CWSN) Children with Special Need Divyong)
Half Yearly Exam. : Ch-1 to Ch-5 (Sports Nutrition)
Pre-Board
: Ch-6 Test measurement in Sport
: Ch-7 Physiology & Injuries in Sport and
: All above Mentioned Chapters
: Ch-8 Biomechanich & Sports
: Ch-9 Psychology & Sports
: Ch-10 Training in Sports Informatics Practices :

Information Practices

Periodic Test I : 1. Introduction to Python Libraries
: 2. Data Structure in Pandas, 3. Series Creation,
4. Data Frame Creation
Periodic Test II : 1. Data Visulation, 2. Matplotlib, 3. Histogram
Half Yearly Exam. : PT -1 + PT - 2 +
: 1. Math Function in SQL
: 2. Text Function in SQL
: 3. Aggregate Function in SQL
Pre-Board : 1. Group by having order by
: 2. Introduction to Network, 3. Network
Devices, 4. Network Topology
: 1. Internet 2. URL, WWW, VOIP,
3. Web page & Website 4. Web Browser and
Pre-Board Exam. : PT - 1 + PT - 2 + PT - 3 + PT - 4 +

: 1. Digital Footprint, 2. Net & Communication Etiquettes, 3. IPR, 4. FOSS, 5. E-Waste Management, 6. Awareness about Health Concerns using technology

Computer Science :

Periodic Test I : 1. Evolution of Networking, 2. Data Communication Terminology,

3. Transmission Media, 4. Network Devices

5. Network Topology, 6. Network Protocol

7. Introduction to Web Services

Periodic Test II : PT - I Syllabus +

: 1. Looping, 2. Nested Looping, 3. Function

4. Scope of Variable

Half Yearly Exam. : PT - 1 + PT -2 Syllabus +

: 1. Introduction to File, 2. Text File & Binary

File, 3. CSV File, 4. Absolute & Relative Path

Pre-Board : 1. Stack, 2. Push & Pop, 3. Seek & Tell Method, 4. Data Base Concept and whole syllabus

: 1. Relational Data Model, 2. DDL & DML

3. Python with SQL, 4. SQL Command

Marketing

Half Yearly : Unit - 1 & Unit - 2

Annual Exam : Unit - 1 to Unit – 5

Yoga Half Yearly

Part – A

1- Employability Skills (Communication skills – IV self –

Management Skills – IV, ICT Skills – IV

Part – B1- Introduction to Yoga and Yogic Practices – II

i) (Shatkarma meaning, purpose and their significance of Yoga Sadhana.

ii) Yogasana

iii) Introduction to Pranayama and Dhyana and their health benefits.

2- Introduction to Yoga Texts – II

i) Concepts of Aahara according Yogic tests.

ii) Significance of Hath Yoga Practices in Health Promotion.

iii) Yogic Practice of Patanjali Yoga. (Bahiranga and Antranga Yoga)

iv) Concept of mental health well-being according to Patanjali Yoga.

Part – C (Practical)

1- Repetition of Asana of class XI

2- Asana – (Dandasana, Tadasana, Ardha Chakrasana, Kutichakrasana, Padamasana, Vajrasana, Makarasana, Shavasana)

3- Repetition of Pranayama of class XI

4- Practice of Jlandhar and Uddayan Bandh.

5- Practice of breath Meditation and OM Dhyan.

Annual

Part – A

1- Employability Skills

i) Entrepreneurial Skill - IV

ii) Green Skills – IV

Part – B

1- Introduction to Yoga and Yogic Practice – II

(Identify career opportunities in Yoga)

2- Introduction to Yoga Text – II

i) Concepts of healthy living styles in Bhagavad Gita.

ii) Importance of Subjective experience in daily Yoga Practice

3- Yoga for Health Promotion

i) Introduction to first aid and CPR

ii) Yogic Management of stress and its consequences

iii) Yogic Prevention of common diseases

iv) Yoga and personality development

Part – C (Practical)

1- Asana (Bhadrasana, Utanmandukasana,

Kakasana, Parvatasana, Uttanpadasana,

Setubandhuasana Vioritkaranasana, Saral Matsyasana)

2- Repetitions of Mudras of class XI

Information Technology

Half Yearly Exam : Unit - 1 Communication skills

: Unit - 2 Self management skills

- : Unit - 3 ICT skills
 - : Unit - 4 Entrepreneurial skill
 - : Unit - 5 Green skills
 - : Unit - 6 Database concept
 - : Unit - 7 Java
 - : Unit - 8 Work integrated learning program
- Annual Exam : Syllabus of Half Yearly Examination +
- : Unit - 1 Java Programs
 - : Unit - 2 Class and object in Java
 - : Unit - 3 Array in Java
 - : Unit - 4 SQL queries
 - : Project work
