

Maharshi Patanjali Vidya Mandir Prayagraj



Session: 2026-2027
Syllabus Breakup
Class: X

Subject – English

Month	Literature		Grammar & Writing Skills
	First Flight	Footprints Without Feet	
April	Chap. 1 Letter to God. Poems -Dust of snow. Fire and ice	Chap. 1 The Triumph of Surgery	- Tenses *.Formal letter based on a given situation in about 100-120 words.
May	Chap. 2 Nelson Mandela Long walk to freedom Poem- A Tiger in a zoo	Chap. 2 The Thief's Story	2. Modals
June	Chap. 3 & 4 Two stories about flying Part 1& 2	Chap. 3 The Midnight Visitor	
July	Poem – How to Tell Wild Animals Poem- The Ball poem.	Chap.. 4 A Question of Trust	Subject-Verb Concord
August	Chap. 4 From the diary of Anne Frank Poem - Amanda Chap. 7 Glimpses of India I. A Baker from Goa	Chap. 5 Footprints without feet Chap. 6 The Making of a Scientist	- Reported Speech -command and requests, -statements, -questions •Writing an analytical paragraph on the basis of the given map/chart/report/line graph etc in about 100-120 words.
September	Chap. 7 Glimpses of India II. Coorg III. Tea from Assam Poem – The Trees Chap.8.	Chap. 7 The Necklace	Determiners

	Mijbil the Otter Poem- Fog		
October	Chap. 9 Madam Rides the Bus . Poem :The Tale of Custard the Dragon Chap. 10 The Sermon at Benares. Poem – For Anne Gregory	The Necklace cont..... Chap. 9 Bholi	
November	11. The Proposal	Chap 10 The Book That Saved The Earth	
December and January	PRE BOARD THE ENTIRE SYLLABUS		
<u>UNIT TEST I</u>	<u>HALF- YEARLY</u>	<u>PRE- BOARD</u>	
<u>First Flight</u> Chap. 1 & 2 <u>Poems-</u> *Dust of snow. *Fire and ice *A Tiger in a Zoo <u>Footprints Without Feet</u> Chap. 1& 2 <u>Grammar</u> Tenses, Formal Letter based on a given situation in about 100- 120 words.	<u>First Flight</u> Chap.1,2,3,4 <u>Poems-</u> *Dust of snow. *Fire and ice *A Tiger in a zoo *How to tell wild *Animals *The Ball poem, *Amanda <u>Footprints Without Feet</u> Chap. 1,2,3,4 <u>Grammar</u> Tenses, Modals, Subject-Verb Concord, Reported Speech, Formal Letter Writing and Analytical Paragraph <u>Activity Subject Enrichment – ASL (Listening and Speaking)</u>	<u>The Entire Syllabus</u> <u>Activity Subject Enrichment – ASL (Listening and Speaking)</u>	

ART INTEGRATED PROJECT

Poem Writing in Calligraphy

विषय -हिंदी

पाठ्य पुस्तकें:

- क्षितिज भाग 2
- कृतिका भाग 2
- व्याकरण

1. अप्रैल:	गद्य-नेताजी का चश्मा पद्य- सूरदास के पद व्याकरण - वाच्य
2. मई	गद्य : बालगोबिन भगत व्याकरण : विज्ञापन लेखन कृतिका : माता का आँचल
3. जुलाई	गद्य : लखनवी अंदाज़ पद्य : राम लक्ष्मण परशुराम संवाद व्याकरण:: 1. रचना के आधार पर वाक्य भेद 2. संदेश लेखन
4. अगस्त	गद्य : एक कहानी यह भी पद्य : * आत्मकथ्य व्याकरण: पद परिचय - (संज्ञा, सर्वनाम, विशेषण, क्रिया) ईमेल- लेखन, स्ववृत्त लेखन
5. सितंबर	गद्य : (कृतिका) 'साना साना हाथ जोड़ि' पद्य : उत्साह एवं अट नहीं रही है व्याकरण: अलंकार - (उपमा, रूपक, उत्प्रेक्षा, मानवीकरण, अतिशयोक्ति) पत्र लेखन (औपचारिक एवं अनौपचारिक) , अनुच्छेद लेखन।
6. अक्टूबर	गद्य : नौबतखाने में इबादत पद्य : यह दंतुरित मुस्कान एवं फसल
	व्याकरण: अपठित गद्यांश अपठित पद्यांश

औपचारिक एवं अनौपचारिक पत्र का अभ्यास

7 नवंबर

गद्य : संस्कृति

पद्य : संगतकार

कृतिका- मैं क्यों लिखता हूँ

व्याकरण : पुनरावृत्ति

प्रथम इकाई
(UT-1)

गद्य- 1

पद्य- 1

व्याकरण - वाच्य

अर्ध वार्षिक परीक्षा
(H Y)

गद्य -1,2,3

पद्य-1,2,4,

कृतिका -1,3

व्याकरण -वाच्य,वाक्य,
अलंकार,पद परिचय (संज्ञा,
सर्वनाम, विशेषण, क्रिया)

रचनात्मक लेखन -अनुच्छेद
लेखन, पत्र लेखन, ई -मेल
लेखन, स्ववृत्त लेखन, विज्ञापन
एवं संदेश लेखन

प्री-बोर्ड

सम्पूर्ण

पाठ्यक्रम

परियोजना कार्य : समसामयिक विषयों पर विज्ञापन लेखन

क्रिया -कलाप - आशु भाषण

Subject: Mathematics

No.	Month	Chapters & Detailed Subtopics
1	April	Real Numbers - Introduction - The Fundamental Theorem of Arithmetic - Revisiting Irrational Numbers Polynomials - Introduction - Geometric Meaning of the Zeros of a Polynomial - Relationship Between the Zeros and Coefficients of a Polynomial
2	May	Linear Equations in Two Variables - Introduction - Graphical Methods of Solution of a Pair of Linear Equations - Algebraic Methods of Solving a Pair of Linear Equations (Substitution Method, Elimination Method)
3	July	Quadratic Equations - Introduction - Solutions of Quadratic Equations by Factorization - Nature of Roots Arithmetic Progression (A.P.) - Introduction - Types of Arithmetic Progression nth Term of an A.P. - Sum of First n Terms of an A.P.
4	August	Introduction to Trigonometry - Introduction - Trigonometric Ratios - Trigonometric Ratios of Specific Angles - Trigonometric Identities
5	September	Triangles - Introduction to Similarity of Triangles - Similar Figures - Criteria for Similarity of Triangles Statistics - Introduction - Mean of Grouped Data - Mode of Grouped Data - Median of Grouped Data
6	October	Coordinate Geometry - Introduction to Types - Distance Formula - Section Formula Some Applications of Trigonometry - Introduction - Heights and Distances (Angles of Elevation and Depression: $30^\circ, 45^\circ, 60^\circ$) Probability - Introduction

		- Classical Definition of Probability - Sample Problems on Finding the Probability of an Event
7	November	Circles - Tangents to a Circle at a Point of Contact - The Tangent at Any Point of a Circle is Perpendicular to the Radius - Lengths of Tangents from an External Point to a Circle Areas Related to Circles - Areas of Sectors and Segments of a Circle - Problems Based on Areas and Perimeter/Circumference (Restricted to Central Angles: $60^\circ, 90^\circ, 120^\circ$)
8	December	Surface Areas and Volumes - Introduction - Surface Area of Combination of Solids - Volume of Combination of Solids
9	Unit Test – 1	Topics From April to May : (Real Numbers, Polynomials, Linear Equations in Two Variables)
10	Half Yearly Examination	All topics covered till September : (Chapters 1, 2, 3, 4, 5, 6, 8 & 13)
11	Pre – Board Examination	Syllabus: Complete Syllabus

Subject –Science (Physics)

Month	Name of the chapter	Topics Included
April, May & June	Natural Phenomena	Reflection of Light at curved surface, Images formed by spherical mirrors, centre of curvature, Principal axis, principal focus, focal length. Mirror formula, Magnification. Refraction, laws of refraction, refractive index.
July & August	Natural Phenomena	Refraction of light by spherical lens, Image formed by spherical lenses, lens formula. Magnification, power of lenses- Functioning of a lens in human eye, defects of vision and their corrections, Applications of spherical mirrors and lenses, Refraction of light through a prism
September	Electric Current	Electric current, PD, Ohm's law, Resistance, Resistivity, Factors on which the resistance of a conductor depends, Series and

		Parallel combination of resistors and its application in daily life.
October	Heating and Magnetic Effects of Current	Heating effect of electric current & its application in daily life, Electric power, Inter relation between P,V,I and R. Magnetic effect of Current: Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's left hand rule.
November & December	Magnetic Effects of Current	Electromagnetic induction, Induced pd, Induced Current. Fleming's right hand rule, Direct current, Alternating current: frequency of AC, Advantage of AC over DC, Domestic electric circuits

PA 1	Half Yearly	Pre Boards
Till Reflection of light.	Natural Phenomena (Light)	Complete syllabus

Subject enrichment: Students have also to give practical examination.

Art Integrated Project: PPT on the topic ' Defects of vision'.

Subject -Science(Chemistry)

Month	Chapters	Topics
April	Chemical Reactions and Equations	Chemical reactions, Chemical equation, Balanced chemical equation, Types of chemical reactions: combination, decomposition.
May	Chemical Reactions and Equations Acids, Bases and Salt	Types of chemical reactions: displacement, double displacement, precipitation, endothermic exothermic reactions, oxidation and reduction. Acids and Bases – definitions in terms of furnishing of H ⁺ and OH ⁻ ions.
June/July	Acids, Bases and Salt	Identification using indicators, chemical properties, examples and uses, neutralization Concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life

August	Acids, Bases and Salt	Preparation and uses of Sodium Hydroxide, Bleaching Powder, Baking soda, Washing soda and Plaster of Paris.
	Metals and Non-metals	Properties of metals and non-metals; Reactivity series
September	Metals and Non-metals	Formation and properties of ionic compounds, Basic metallurgical processes; Corrosion and its prevention.
	Carbon and its Compounds	Covalent bonds – formation and properties of covalent compounds, Versatile nature of carbon, Hydrocarbons – saturated and unsaturated Homologous series.
October	Carbon and its Compounds	Nomenclature of alkanes, alkenes, alkyne and carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes). Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.

UT-I	HALF YEARLY	PRE-BOARD
Chapters	Chapters	Chapters
Chemical Reactions and Equations	Chemical Reactions and Equations Acids, Bases and Salt	Complete syllabus

Practical Term-1

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

- Performing and observing the following reactions and classifying them into:
 - Combination reaction
 - Decomposition reaction
 - Displacement reaction
 - Double displacement reaction
 - Action of water on quicklime
 - Action of heat on ferrous sulphate crystals
 - Iron nails kept in copper sulphate solution
 - Reaction between sodium sulphate and barium chloride solutions
- Finding the pH of the following samples by using pH paper/universal indicator:
 - Dilute Hydrochloric Acid
 - Dilute NaOH solution
 - Dilute Ethanoic Acid solution
 - Lemon juice
 - Water
 - Dilute Hydrogen Carbonate solution
 - Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:
 - Litmus solution (Blue/Red)
 - Zinc metal
 - Solid sodium carbonate.

Practical Term-2

3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:
(a) ZnSO_4 (aq) (b) FeSO_4 (aq) (c) CuSO_4 (aq) (d) $\text{Al}_2(\text{SO}_4)_3$ (aq)
Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
4. Study of the following properties of acetic acid (ethanoic acid):
(a) Odour (b) solubility in water (c) effect on litmus (d) reaction with Sodium Hydrogen Carbonate
5. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.

Subject Enrichment: Practical

Topics for internal assessment: Students to prepare a brief write up in their Portfolio:

Periodic Classification of Elements: Döbereiner's Triads, Newlands' Law of Octaves, Mendeleev's Periodic Table, Modern Periodic Table and the Modern, Metallic and Non-metallic Properties.

Subject -Science (Biology)

MONTH	CHAPTERS	TOPICS
April	Life processes	Nutrition in plants and animals. Autotrophic and Heterotrophic nutrition.
May	Life processes	Respiration in plants and animals. Human respiratory system.
June/ July	Life processes	Transportation in plants and animals, Human Circulatory system Excretion in plants and animals.
August	Control and Co-ordination in plants and animals	Hormonal co-ordination in plants and animals. Nervous system in animals, reflex action and human brain.
September	Heredity	Mendel's first and second law of inheritance. Blood groups and sex determination in humans.
October	How do organisms reproduce	Modes of reproduction in organisms, reproduction in plants. Artificial methods of propagation. Reproduction in human beings. Sexually transmitted diseases.
November	Our environment	Ecosystem and its components, food chain, transfer of energy in food chains.

UT- I	Half Yearly	Pre-Board
Chapters	Chapters	Chapters
Nutrition, Respiration	Life processes (Nutrition, Respiration, Transportation, Excretion), Control and Co-ordination	Complete syllabus

Practical Term-1

1. Preparing a temporary mount of a leaf peel to show stomata.
2. Experimentally show that carbon dioxide is given out during respiration.
3. Studying (a) binary fission in amoeba, (b) budding in yeast and Hydra with the help of prepared slides.
4. Identification of the different parts of an embryo of a dicot seed (pea, gram or red kidney bean)

Topic for internal assessment: Each student will write about any one of the diagrams/topics from the chapter evolution in an innovative way.

(Acquired and Inherited Traits, Speciation, Evolution and Classification, Tracing Evolutionary Relationships, Fossils, Evolution by Stages, Human Evolution)

Subject –Social Science (History/Civics)

Month	Subject	Chapters
April	History	1 The Rise of Nationalism in Europe.
May	History	1 The Rise of Nationalism in Europe. (continued)
July	Civics	1 Power Sharing
	History	2 The Rise of Nationalism in India
Unit test - 1	History	The Rise of Nationalism in Europe
August	History	2 The Rise of Nationalism in India (continued)
September	Civics	2 Federalism
	History	3 The Making of Global World (sub topics – 1.3 pre modern world to conquest, Disease and Trade) To be evaluated in the board examination.)
Half yearly Examination		Syllabus covered till September
October	Civics	3 Gender, Religion and Caste
	Civics	4 Political Parties.
November	History Civics	5 Print Culture and Modern World 5 Outcomes of Democracy All the syllabus covered till November.
Preboard - 1		

🎨 Art Integrated Project:

📄 Tri-Fold Brochure (3 Folds)

📌 Topic

Prepare a Brochure on **Mizoram** or **Meghalaya**.

Assignments	Chapters
Unit test - 1	Ch. 1 Rise of Nationalism in Europe
Half Yearly Examination	Syllabus Completed till September
Pre board -1 Examination	All the syllabus covered till November.

Subject – Social Science (Geography)

Month	Lesson No.	Name of the Lesson
April	L-1	Resources and development
July	L-2,L-3	Forest and wildlife , Water resources
August	L-4	Agriculture
November	L-5, L-6	Minerals and Energy resources, Manufacturing industries
	L-7	Life lines of National economy (only map work will be assessed in exams)

Unit test-1 Resources and development

Half yearly- lesson-1,2,3,4 Plus Maps of all chapters

Activity based on forest and wildlife, Environmental issues, Social issues

Pre- Board Examination- all chapters and Maps of all chapters.

Subject –Social Science (Economics)

Month	Lesson No.	Name Of The Lesson
May	L- 1	Development
September	L-2	Sectors of Indian Economy
October	L-3, L-4	Money and Credit ,Globalization
	L-5	Consumer Right (Will be assessed through activity n class test)

Half yearly- lesson-1,2

Pre-Board Examination- All chapters

Subject: Artificial Intelligence

April	Part B: Unit 1 - Revisiting AI Project Cycle and Ethical Frameworks for AI (Session 1,2,3)
May	Part B: Unit 1 - Revisiting AI Project Cycle and Ethical Frameworks for AI (Session 4,5) Part B: Unit 2 –Advance Concepts of Modeling in AI (Session 1)
July	Part B: Unit 2 –Advance Concepts of Modeling in AI (Session 2,3,4) Part B: Unit 7 -Advance Python (Session 1,2) Part A: Unit 1 -Communication Skills (session 1,2)
August	Part A: Unit 1 –Communication Skills (Session 3,4,5,6,7) Part B: Unit 3 -Evaluating Models (Session 1,2,3,4,5)
September	Part A: Unit 3 -Information and Communication Technology Skills(All Sessions) Part B: Unit 4 –Statistical Data (Session 1,2)

October	Part A: Unit 2- Self-Management Skills (Session 1,2,3,4 & 5) Part B: Unit 5- Computer Vision (Session 1,2,3 & 4) Part A: Unit 4- Entrepreneurial Skills (All Sessions)
November	Part B: Unit 6- Natural Language Processing (Sessions 1,2,3 & 4) Part B: Unit 7- Advance Python (Session 3) Part A: Unit 5: Green Skills (Session 1,2 & 3)

Unit Test 1:

- **Part B: Unit 1** - Revisiting AI Project Cycle and Ethical Frameworks for AI (Session 1,2,3,4 & 5)

Half Yearly Exam: - Part A:

- Unit 1 : Communication Skills(All Sessions)
- Unit 3 : Information and Communication Technology Skills-II (All Sessions)

Part B:

- Unit 1 :Revisiting AI Project Cycle and Ethical Frameworks for AI (Session 1,2,3,4 & 5)
- Unit 2 :Advance Concepts of Modeling in AI (Session 1,2,3 & 4)
- Unit 3: Evaluating Models (Session 1,2,3,4,5)
- Unit 7-Advance Python (Session 1,2)

Pre-board Exam: - FULL SYLLABUS (as mentioned below)

Part A:

- Unit 1 : Communication Skills (All Sessions)
- Unit 2 : Self-Management Skills (All Sessions)
- Unit 3 : Information and Communication Technology Skills (All Sessions)
- Unit 4 : Entrepreneurial Skills(All Sessions)
- Unit 5 : Green Skills (All Sessions)

Part B:

- Unit 1 - Revisiting AI Project Cycle and Ethical Frameworks for AI (All Sessions)
- Unit 2 –Advance Concepts of Modeling in AI (All Sessions)
- Unit 3-Evaluating Models (All Sessions)
- Unit 4 - Statistical Data (All Sessions)
- Unit 5 -Computer Vision(Session 1,2,3 & 4)
- Unit 6-Natural Language Processing (All Sessions)
- Unit 7-Advance Python (All Sessions)

Art Integration Project :

Create a PPT of 10 slides on the topic “**Applications of NLP and Computer Vision**”.

Apply your creativity by inserting images and making the slides attractive and colourful. Submit clear printout (both colour and B/W acceptable) of the slides in a separate folder.

Subject : Information Technology

April	Part B: Unit 3 : Database Management System (Session 1,2,3)
May	Part B: Unit 3 - Database Management System (Session 4,5)
July	Part B: Unit 3 : Database Management System (Session 7 and 8) Part A: Unit 1: Communication Skills – II (All Sessions)
August	Part A: Unit 2: Self-Management Skills-II (All Sessions) Part B: Unit 1: Digital Documentation (Advanced) (All Sessions)
September	Part A: Unit 3: Information and Communication Technology Skills-II (All Sessions) Part B: Unit 2: Electronic Spreadsheet (Advanced) (Session 1)
October	Part B: Unit 2: Electronic Spreadsheet (Advanced) (Session 2,3,4) Part B: Unit 4: Maintain Healthy, Safe and Secure Working Environment (All Sessions)
November	Part A: Unit 4: Entrepreneurial Skills-II (All Sessions) Part A: Unit 5: Green Skills-II (All Sessions)

Unit Test 1:- Part B:

- Unit 3 – Database Management System (Session 1,2,3,4)

Half Yearly Exam: - Part A:

- Unit 1 : Communication Skills-II (All Sessions)
- Unit 2 : Self-Management Skills-II (All Sessions)
- Unit 3 : Information and Communication Technology Skills-II (All Sessions)

Part B:

- Unit 1 : Digital Documentation (Advanced) (All Sessions)
- Unit 3: Database Management System (All Sessions)

Pre-board Exam: - FULL SYLLABUS (as mentioned below)

Part A:

- Unit 1 : Communication Skills-II (All Sessions)
- Unit 2 : Self-Management Skills-II (All Sessions)
- Unit 3 : Information and Communication Technology Skills-II (All Sessions)
- Unit 4 : Entrepreneurial Skills-II (All Sessions)
- Unit 5 : Green Skills-II (All Sessions)

Part B:

- Unit 1 : Digital Documentation (Advanced) (All Sessions)
- Unit 2 : Electronic Spreadsheet (Advanced) (All Sessions)
- Unit 3: Database Management System (All Sessions)
- Unit 4: Maintain Healthy, Safe and Secure Working Environment (All Sessions)

Art Integration Project: Create a PPT of 10 slides on the topic “Database and its Applications”.

Apply your creativity by inserting images and making the slides attractive and colourful. Submit clear printout (both colour and B/W acceptable) of the slides in a separate folder.

