

MAHARSHI PATANJALI VIDYA MANDIR

SYLLABUS BREAK – UP

CLASS-X

SESSION: 2023-24







English



Month	Literature		Grammar & Writing Skills
	First Flight	Footprints Without Feet	
April	Chap1: Letter to God Poems -Dust of snow. Fire and ice	Chap1: The Triumph of Surgery	<ul style="list-style-type: none">TensesFormal letter based on a given situation in about 100-120 words.
May	Chap2: Nelson Mandela Long walk to freedom Poem- A Tiger in a zoo	Chap2: The Thief's Story	<ul style="list-style-type: none">Modals
July	Chap3 & 4: Two stories about flying Part 1& 2 Poem – How to Tell Wild Animals The Ball poem.	Chap3: The Midnight Visitor Chap4: A Question of Trust	<ul style="list-style-type: none">Subject-Verb Concord
August	Chap4: From the diary of Anne Frank Poem - Amanda Chap5: Glimpses of India -: I. A Baker from Goa	Chap5: Footprints without feet Chap6: The Making of a Scientist	<ul style="list-style-type: none">Reported Speech -command and requests, -statements, -questionsWriting an analytical paragraph on the basis of the given map/chart/report/line graph etc in about 100-120 words.
September	Chap5: Glimpses of India -: II. Coorg III. Tea from Assam Poem – The Trees	Chap7: The Necklace	
October	Chap6: Mijbil the Otter Poem - Fog	The Necklace cont.....	<ul style="list-style-type: none">Determiners
November	Chap7: Madam Rides the Bus . Poem: The Tale of Custard the Dragon Chap8: The Sermon at Benares	Chap9: Bholi	

December	Poem – For Anne Gregory Chap9: The Proposal	Chap10: The Book That Saved The Earth	
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 Exams 			
Unit Test I	Chap: 1 & 2 -Dust of snow. - Fire and ice - A Tiger in a zoo	Chap: 1 & 2	<ul style="list-style-type: none"> Tenses, Formal letter based on a given situation in about 150-200 words.
Half Yearly Examination	Chap: 1,2,3,4, Poems- *Dust of snow. *Fire and ice *A Tiger in a zoo *How to tell wild *Animals *The Ball poem *Amanda	Chap: 1,2,3&4	<ul style="list-style-type: none"> Tenses, Modals, Subject-Verb Concord, Reported Speech, Formal letter , Writing an analytical paragraph
PRE BOARD	THE ENTIRE SYLLABUS		

Hindi

पाठ्य पुस्तकें:

- क्षितिज भाग २
- कृतिका भाग २
- व्याकरण

1. अप्रैल:	गद्य -नेताजी चश्मा का चश्मा पद्य - सूरदास के पद व्याकरण – वाच्य
2. मई	गद्य : बालगोबिन भगत पद्य : राम लक्ष्मण परशुराम संवाद व्याकरण : रचना के आधार पर वाक्य भेद एवं परिवर्तन

3. जुलाई	<p>गद्य : लखनवी अंदाज़</p> <p>पद्य: क्रमशः - राम लक्ष्मण परशुराम संवाद</p> <p>कृतिका : माता का आंचल</p> <p>व्याकरण : विज्ञापन लेखन एवं संदेश लेखन</p>
4. अगस्त	<p>गद्य : एक कहानी यह भी</p> <p>पद्य : आत्मकथ्य</p> <p>व्याकरण: पद परिचय (संज्ञा, सर्वनाम, विशेषण, क्रिया, क्रिया विशेषण, समुच्चय बोधक, संबंध बोधक, विस्मयादिबोधक अव्यय)</p> <p>कृतिका: क्रमशः- माता का आंचल</p>
5. सितम्बर	<p>गद्य : नौबतखाने में इबादत</p> <p>पद्य : 1. उत्साह 2. अट नहीं रही</p> <p>व्याकरण:</p> <ol style="list-style-type: none"> स्ववृत्त लेखन औपचारिक ई-मेल लेखन अलंकार (श्लेष, उत्प्रेक्षा, मानवीकरण एवं अतिशयोक्ति) <p>कृतिका : साना साना हाथ जोड़ि</p>
6. अक्टूबर	<p>गद्य : संस्कृति</p> <p>पद्य : 1. यह दंतुरित मुस्कान 2. फसल</p> <p>कृतिका : मैं क्यों लिखता हूँ</p> <p>व्याकरण :</p> <ol style="list-style-type: none"> अपठित गद्यांश एवं पठित गद्यांश पत्र लेखन (औपचारिक एवं अनौपचारिक)
7. नवंबर	<p>पद्य : संगतकार</p> <p>व्याकरण : विज्ञापन लेखन एवं अलंकार की पुनरावृत्ति</p>
8. दिसंबर	पढ़ाए गए सभी पाठों की पुनरावृत्ति एवं अभ्यास
9. क्रिया-कलाप	<ul style="list-style-type: none"> आशु भाषण श्रवण कला कौशल परीक्षा

परीक्षाएं

प्री बोर्ड	सम्पूर्ण पाठ्यक्रम		
प्रथम इकाई परीक्षा	<p>गद्य- नेताजी का चश्मा</p> <p>पद्य- सूरदास के पद</p>	कृतिका – माता का आंचल	<p>व्याकरण-</p> <ul style="list-style-type: none"> वाच्य वाक्य

अर्धवार्षिक परीक्षा	गद्य- <ul style="list-style-type: none"> • नेताजी का चश्मा • बालगोबिन भगत • लखनवी अंदाज़ • एक कहानी यह भी पद्य- <ul style="list-style-type: none"> • सूरदास के पद • राम लक्ष्मण परशुराम संवाद • आत्मकथ्य • उत्साह • अट नहीं रही है 	कृतिका – <ul style="list-style-type: none"> • माता का आँचल • साना साना हाथ जोड़ि 	व्याकरण – <ul style="list-style-type: none"> • वाच्य • वाक्य • विज्ञापन लेखन • पद परिचय • अलंकार-(श्लेष,उत्प्रेक्षा, मानवीकरण एवं अतिशयोक्ति) • अपठित गद्यांश • अपठित पद्यांश • अनुच्छेद लेखन • सन्देश लेखन • स्ववृत्त लेखन • औपचारिक ई-मेल लेखन • पत्र लेखन (औपचारिक एवं अनौपचारिक)



Maths



Month	CHAPTERS & Sub Topics
April	<u>Real numbers</u> Introduction The fundamental theorem of arithmetic Revisiting Irrational numbers <u>Polynomial</u> Introduction of the topic Geometric meaning of the zeros of a polynomial Relationship between the zeros and coefficients of polynomial.
May	<u>A.P. ie. Arithmetic Progression</u> Introduction of the topic Arithmetic Progression (Types) nth term of an A.P Sum of first n terms of an A.P
July	<u>Triangles</u> Introduction of similarity of triangles Similar figures Similarity of triangles Criteria for similarity of triangles

August	<p><u>Introduction to Trigonometry</u> Introduction of the topic Trigonometric Ratios Trigonometric Ratios of some specific angles Trigonometric Identities</p> <p><u>Linear equations in two variables</u> Introduction of the topic Graphical methods of solution of a pair of linear equations. Algebraic methods of solving a pair of linear equation i.e. Substitution method Elimination method</p>
September	<p><u>Quadratic Equation</u> Introduction of the topic Quadratic equations Solutions of quadratic equations by factorization Nature of roots</p> <p><u>Statistics</u> Introduction of the topic Mean of a grouped data Mode of a grouped data Median of a grouped data</p>
October	<p><u>Coordinate Geometry</u> Introduction of the topic Distance Formula Section Formula</p> <p><u>Some Applications of Trigonometry</u> Introduction of the topic Heights and Distance(angles of elevation and depression should be only 30° , 45° , 60°)</p> <p><u>Probability</u> Introduction of the topic Classical definition of probability Sample problems on finding the probability of an event.</p>
November	<p><u>Circles</u> Tangents i.e. a circle at a point of contact The tangent at any point on a circle is perpendicular to the radius through the point of contact. The lengths of tangent drawn from an external point to a circle are equal. <u>Areas</u></p> <p><u>Related to circle</u> Areas of sectors and segments of circle Problems based on areas and perimeter/ circumference of the above said plane Figure Problems should be restricted to central angle 60° , 90° , 120° only.</p>
December	<p><u>Surface Areas and volumes</u> Introduction of the topic , Surface area of combination of solids , Volume of combination of solids.</p>



Unit Test I	Real numbers , Polynomial , Arithmetic Progression
Half Yearly Examination	All the topics covered till September
JANUARY	PRE BOARD THE ENTIRE SYLLABUS



❖ Sub Subject: Biology

MONTH	FIRST TERM 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.
July	Life processes	Transportation in plants and animals. Human circulatory system Excretion in plants and animals.
August	Control and Coordination in plants and animals	Hormonal co-ordination in plants and animals. Nervous system in animals, reflex action and human brain.
September	How do organisms reproduce	Modes of reproduction in organisms, reproduction in plants. Artificial methods of propagation.
MONTH	SECOND TERM CHAPTERS	TOPICS
October	How do organisms reproduce	Reproduction in human beings . Sexually transmitted diseases.
November	Heredity	Mendel's first and second law of inheritance. Blood groups and sex determination in humans.
December	Our environment	Ecosystem and its components, food chain, transfer of energy in food chains.

Note: Chapter ' Management of natural resources (for internal assessment)



Practicals



Term-1	<ol style="list-style-type: none">1. Preparing a temporary mount of a leaf peel to show stomata.2. Experimentally show that carbon dioxide is given out during respiration.
Term-2:	<ol style="list-style-type: none">1. Studying (a) binary fission in amoeba, (b) budding in yeast and Hydra with the help of prepared slides.2. Identification of the different parts of an embryo of a dicot seed(pea, gram or red kidney bean)



Exams





Unit Test I	<ul style="list-style-type: none">• Nutrition• Respiration
Half Yearly Examination	<ul style="list-style-type: none">• Life processes (Nutrition, Respiration Transportation, Excretion)• Control and Co-ordination• Reproduction in plants
PRE BOARD	Complete syllabus

❖ Sub Subject: Chemistry

MONTH	CHAPTERS	TOPIC
APRIL	Chapter 1: Chemical Reactions and Equations	Chemical equation, Balanced chemical equation, implications of a balanced chemical equation
MAY	Chapter 1: Chemical Reactions and Equations	Types of chemical reactions: combination, decomposition, displacement, double displacement, precipitation.
JULY	Chapter 1: Chemical Reactions and Equations Chapter 2: Acids, Bases and Salts	Endothermic Exothermic reactions, Oxidation and Reduction. Their definitions in terms of furnishing of H ⁺ and OH ⁻ ions, General properties, examples and uses, neutralization, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life.
AUGUST	Chapter 2: Acids, Bases and Salts	Preparation and uses of Sodium hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris.

SEPTEMBER	Chapter 3: Metals and Non-metals	Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds.
OCTOBER	Chapter 3: Metals and Non-metals	Basic metallurgical processes; Corrosion and its prevention.
NOVEMBER	Chapter 4: Carbon and Its compounds	Covalent bonding in carbon compounds. Versatile nature of carbon. Homologous series. Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes), difference between saturated hydro carbons and unsaturated hydrocarbons.
DECEMBER	Chapter 4: Carbon and Its compounds REVISION	Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.

 Practicals 	
Term-1	<p>1. A. Finding the pH of the given samples by using pH paper/universal indicator.</p> <p>1.B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:</p> <p>a) Litmus solution (Blue/Red) b) Zinc metal c) Solid sodium carbonate.</p> <p>2. Performing and observing the following reactions and classifying them into:</p> <p>A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction</p> <p>(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.</p>
Term-2:	<p>3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:</p> <p>i) $\text{ZnSO}_4(\text{aq})$ ii) $\text{FeSO}_4(\text{aq})$ iii) $\text{CuSO}_4(\text{aq})$ iv) $\text{Al}_2(\text{SO}_4)_3(\text{aq})$</p> <p>Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.</p>

Term-2:	<p>4.Study of the following properties of acetic acid (ethanoic acid): i) Odour ii) solubility in water iii) effect on litmus iv) reaction with Sodium Hydrogen Carbonate</p> <p>5. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.</p>
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Unit Test I	Chapter 1: Chemical Reactions and Equations
Half Yearly Examination	Chapter 1: Chemical Reactions and Equations
PRE BOARD	<p>Complete syllabus</p> <p>Chapter 1: Chemical Reactions and Equations</p> <p>Chapter 2: Acids, Bases and Salts</p> <p>Chapter 3: Metals and Non-metals</p> <p>Chapter 4: Carbon and Its compounds</p>

❖ **Sub Subject: Physics**

MONTH	CHAPTERS & TOPIC
APRIL & MAY	Effects of 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.
JULY & AUGUST	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.
SEPTEMBER	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
OCTOBER	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.
NOVEMBER & DECEMBER	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

Activity

Students have also to make assignment copy and Students have also to give practical examination.



Unit Test I	Till Series and Parallel Connection.
Half Yearly Examination	Complete Electricity
PRE BOARD	Complete syllabus (Effects of Current & Light)



Social Science



❖ SUB SUBJECTS : HISTORY And 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 History	1. Power Sharing 2. Nationalism in India
August	History	2. Nationalism in India (continued)
September	Civics History	2. Federalism 3. The Making of Global World (Subtopics; 1 to 1.3 Pre-Modern World to Conquest, Disease and Trade) To be evaluated in the Board Examination. (Subtopics; 2 to 4.4 The nineteenth century (1815-1914) to end of Bretton Woods and the beginning of "Globalisation." (Inter disciplinary Project, internally assessed for 5 marks)

October	Civics Civics	3. Gender, Religion and Caste 4. Political Parties
November	History	5. Print Culture and the Modern World
December	Civics History	5. Outcomes of Democracy 4. The Age of Industrialization (To be assessed as part of Periodic Assessments only)



Unit Test I	1. The Rise of Nationalism in Europe
Half Yearly Examination	Syllabus till September
PRE BOARD	THE ENTIRE SYLLABUS

❖ **SUB SUBJECTS : GEOGRAPHY**

MONTH	LESSON NO.	NAME OF THE LESSON	SUB TOPICS
April	L-1	Resources and development	1. Classifications of Resources 2. Development of resources 3. Sustainable development 4. Resources planning 5. Land resources and land use patterns 6. Soil as a Resource and Classification of soils
July	L-2,L-3	Forest and wildlife , Water resources	1. Biodiversity, flora and fauna 2. What negative factors lead to depletion of flora and fauna 3. Conservation of forests and wildlife in India 4. Types of forests ,community conservation, sacred groves- a wealth of diverse and rare species 5. Water scarcity and Conservation 6. Multi purpose projects 7. Rain water harvesting
August	L-4	Agriculture	1. Types of farming 2. Cropping seasons 3. Major crops:-Food crops, Millet crops Beverage crops Fibre crops, etc 4. Technological and institutional reforms

November	L-5, L-6	Minerals and Energy resources, Manufacturing industries	<ol style="list-style-type: none"> 1. Occurrence of minerals, causes of depletion and conservation methods 2. Energy resources 3. Importance of manufacturing industries, contribution of industry to National economy, industrial Location, Classification of industries ,Environmental Degradation and controls of Environmental Degradation
January	L-7	Life lines of National economy	<ol style="list-style-type: none"> 1. Roadways and Railways, Waterways and Airways 2. Communication and Trade



Unit Test I	Resources and development
Half Yearly Examination	Lesson-1,2,3,4 Plus Maps of all chapters Activity based on forest and wildlife, Environmental issues
PRE BOARD	THE ENTIRE SYLLABUS and Maps of all chapters

❖ **SUB SUBJECTS : ECONOMICS**

MONTH	LESSON NO.	NAME OF THE LESSON	SUB TOPICS
May	L- 1	Development	<ol style="list-style-type: none"> 1. What development promises-Different people, Different Goals 2. Income and other Goals 3. National Development 4. How to compare different countries
September	L-2	Sectors of Indian Economy	<ol style="list-style-type: none"> 1. Economic activities 2. Comparing the three sectors 3. Rising importance of tertiary sector 4. Public and Private sectors
October	L-3	Money and Credit	<ol style="list-style-type: none"> 1. Medium of exchange 2. Loan activities of Bank 3. Terms of credit etc
December	L-4	Globalization	<ol style="list-style-type: none"> 1. Production across countries, interlinking, Foreign Trade and markets 2. Impact of Globalization in India
	L-5	Consumer Right	(Will be assessed through project work)



Unit Test I	Development
Half Yearly Examination	lesson-1,2
PRE BOARD	THE ENTIRE SYLLABUS



April	Part B: Unit 3 : Database Management System (Session 1,2,3)
May	Part B: Unit 3 - Database Management System (Session 4,5,6)
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)
October	Part B: Unit 2: Electronic Spreadsheet (Advanced) (All Sessions)
November	Part B: Unit 4: Web Applications and Security (All Sessions) Part A: Unit 4: Entrepreneurial Skills-II (All Sessions)
December	Part A: Unit 5: Green Skills-II (All Sessions)



Unit Test I	Unit 3 – Database Management System (All Sessions)
Half Yearly Examination	<p>Part A:</p> <ul style="list-style-type: none"> 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) <p>Part B:</p> <ul style="list-style-type: none"> Unit 1 : Digital Documentation (Advanced) (All Sessions) Unit 3: Database Management System (All Sessions)
PRE BOARD	THE ENTIRE SYLLABUS

