

Maharshi Patanjali Vidya Mandir, Allahabad
Syllabus Breakup – 2017 – 2018
Class – X
Subject : English

Term 1(April to September)

Ist Term

Literature Reader

F.1, F.2, F.3, P.1, P.2, P.3 and D.1

Main Course Book

Unit-1, 2, 3

Workbook : Unit -1, 2,3, 4,5,6, 7

Novel:- The Story of My Life-Helen Keller:- Chapter 1-14

Unit Test - 1 Two Gentlemen of Verona, Mrs. Packletide's Tiger, The Frog and the Nightingale, Letter to the Editor, Determiners, Tenses

IInd Term

Literature Reader

F.4, F.5, F.6, P.4, P.5,P.6, D.2

Main Course Book

Unit - 4, 5, 6

Workbook

Unit - 8, 9, 10, 11, 12, 13, 14

Novel :- The Story of My Life :- Chapter 15 - 23

Unit Test - 2 Pre-Board (Entire Syllabus)

Subject : Mathematics

April: Unit 1 (Number system (Real number))

May: Unit 2 (Algebra)

Polynomial

July: Algebra

1) Pair of linear equations in two variable

Aug : Geometry(triangle)

Sep : Introduction of Trigonometry and identities.

Height and distance. Statistics

Oct: Algebra

(1) Quadratic Equations.

(2) A.P.

Coordinate geometry.

Nov : Geometry

(1) Tangents to a circles

(2) Constructions

Area related to circles.

Dec: Mensuration, Probability

Activities: (1) Graphical representation of quadratic Equation.

(2) Activity on linear equation in two variables.

(3) Graphical representation to find median.

(4) Cumulative frequency graph.

Activities : (1) Activity on Construction.

(2) Activity on A.P.

(3) Activity on coordinate geometry i.e. To find the area of Triangle Mathematically and also by the formula of coordinate Geometry.

(4) Project on Mensuration.

1st Test: Number System (Real number), Polynomial

Half yearly examination : Number System (Real Number), Polynomials, Pair of linear equations in two variables, Triangles , Introduction of Trigonometry and trigonometric Identities, Statistics

2nd test or Pre-Board: Entire syllabus to be covered.

Final Exam: Entire syllabus to be covered.

Subject : Science

Physics

April - 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.

May – Heating effect of electric current & its application in daily life, Electric power, Inter relation between P,V,I and R.

July- 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.

August - 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.

September - Sources of energy: Different forms of energy, Conventional and non-conventional sources of energy: fossil fuels, solar energy, biogas; wind, water and tidal energy, nuclear energy. Renewable versus non-renewable sources.

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- Refraction of light by spherical lens, Image formed by spherical lenses, lens formula. Magnification, power of lenses

December- 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, dispersion of light
January- Scattering of light, application in daily life & Revision

First unit test :- Portion done till July.

Activity:- Students have also to make assignment copy.

Half yearly:- Complete electricity and sources of energy

Activity:- Students have also to give practical examination

Preboard :- Complete syllabus

Board Examination :- Complete syllabus

Chemistry –

Unit Test – 1 – Chapter – Chemical reactions and equations

Half Yearly Exam – 1, 2, 3

Pre Board Chapter – 1, 2, 3, 4, 5

Board Exam – Complete Syllabus

Biology -

UNIT TEST-1 : - Nutrition, Respiration, Transportation, Excretion

Half Yearly :- Life Process, Control and Coordination in plants and animals.

Pre board: Complete Syllabus

Subject : History / Civics

TERM – I

APRIL -	HIST- CHAP I	Nationalism In Europe
MAY	CIVICS - CHAP I	Power Sharing
JULY	CIVICS - CHAP II	Federalism
Test – I	HIST - CHAP I	Nationalism In Europe
	CIVICS - CHAP I	Power Sharing
AUG	HIST- CHAP III	Nationalism In India
SEPT	CIV - CHAP III	Democracy & Diversity,
	CHAP IV	Gender, Religion & Caste

HALF YEARLY EXAMINATION

TERM – II

OCT - HIST- CHAP V - Industrialisation

NOV - CIV - CHAP V - Popular Struggles & Movements &

CHAP VI - Political Parties

DEC - HIST – CHAP - VII Print Culture & The Modern World

JAN - CIV CHAP VII Outcomes Of Democracy

CIV CHAP VIII Challenges To Democracy

PRELIMINARY EXAMINATION

Subject : Geography / Economics

Term -1

Geography :- Chapter -1, 3, 4

Term – 2 - Chapter - 5, 6, 7

Economics

Term -1 - Chapter -1, 2

Term - 2 - Chapter - 3, 4, 5

विषय – हिन्दी

पाठ्य-पुस्तकें – 1. क्षितिज भाग – 2
2. कृतिका भाग – 2
3. मानक हिन्दी व्याकरण एवं रचना

प्रथम इकाई परीक्षा – (26 जुलाई 2017 – 5 अगस्त 2017)

1. नेता जी का चश्मा (गद्य) – पाठ – 1, 2
2. बोलगोबिन भगत
3. सूरदास के पद (पद्य) – पाठ – 1
4. माता का अंचल (कृतिका) पाठ – 1
5. व्याकरण – वाच्य

अर्द्धवार्षिक परीक्षा – (5 अक्टूबर 2017 – 17 अक्टूबर 2017)

(गद्य) – पाठ – 1, 2, 3, 4

(पद्य) – पाठ – 1, 2, 3, 4

कृतिका – पाठ – 1, 2

व्याकरण – वाच्य, रचना के आधार पर वाक्य भेद, पद परिचय – रस, विज्ञापन लेखन, पत्र-लेखन, अपठित गद्यांश एवं पद्यांश, निबन्ध लेखन।

प्री-बोर्ड परीक्षा – गद्य – पाठ – 1, 2, 3, 4, 5, 6, 7, 8

पद्य – पाठ – 1, 2, 3, 4, 5, 6, 7, 8, 9

कृतिका – पाठ – 1, 2, 3, 4, 5

व्याकरण – पढ़ाया गया संपूर्ण व्याकरणिक अंश।

क्रिया कलाप – कविता वाचन