

**Maharshi Patanjali Vidya Mandir, Allahabad**

**Syllabus : 2015 - 2016**

**Subject : English**

**Class - XI**

**1<sup>st</sup> Term (From July to September) - ASL**

Hornbill (H.B.)	-	The portrait of a lady (Prose) A Photograph (Poem) We're not afraid to die (Prose) Discovering Tut (Prose) The Voice of the Rain (Poem)
Snapshots (S.S.)	-	The summer of the Beautiful White House The Address Ranga's Marriage Albert Einstein at school
Advanced writing skills	-	Descriptive writing Articles Speeches Notice Writing Report (School Magazine)
Novel	-	The Canterville Ghost (Oscar Wilde) Chapters 1 to 4
Grammar	-	Integrated Grammar Practice (Determiners & Reported Speech)
1 <sup>st</sup> Unit Test (August)	-	The Portrait of a Lady (Prose), A Photograph (Poem), {H.B.} The summer of the Beautiful White House (S.S.) and Grammar

**2<sup>nd</sup> Term (From October to February) – ASL**

Hornbill (H.B.)	-	The Ailing Planet (Prose) The Browning Version (Prose) Childhood (Poem) Father to Son (Poem)
Snapshots (S.S.)	-	Mother's Day Birth The tale of Melon City
Advanced Writing Skills	-	Types of Formal Letter (Enquiries and Replies) (Letter to the Editor) Report (Newspaper) Poster Making
Grammar	-	Integrated Grammar Practice (Clauses & Tenses)
Novel	-	The Canterville Ghost (Oscar Wilde) Chapters 5 to 7
II <sup>nd</sup> Unit Test (December)	-	Ailing planet, Mother's Day and Formal Letter

## **Subject : Chemistry**

July

Unit 1: Some Basic Concepts of Chemistry

August

Unit 2 : Structure of Atom

Unit 3 : Classification of Elements & Periodic Classification

September

Unit 4 : Chemical Bonding & Molecular Structure

Unit 5 : States of Matter

October

Unit 6 : Thermodynamics

November

Unit 7 : Equilibrium

Unit 8 : Redox

December

12 : Organic Chemistry: Some Basic Principles & Techniques

January

Unit 13 : Hydrocarbons

Unit 9 : Hydrogen

February

Unit 10 : The s-block elements

Unit 11 : The p-block elements

Unit 14 : Environmental Chemistry (self study for class presentation as Winter assignment)

1<sup>st</sup> Unit test

Unit 1: Some Basic concepts of chemistry

Unit 2 : Structure of atom

Half yearly examination

Unit 1 to 5

2<sup>nd</sup> unit test

Unit 7 : Equilibrium

Unit 8 : Redox

Annual Examination

Unit 1 to Unit 14

## **Subject : Accountancy**

**July – September (Half Yearly Exam)**

1. Introduction to Accounting
2. Theory Base of Accounting
3. Recording of Transactions
4. Preparation of Ledger, Trial Balance
5. Subsidiary Books
6. Rectification of Errors
7. Bank Reconciliation Statement
8. Computers in Accounting

**October – December**

1. Financial Statement
2. Depreciation, Reserves & Provisions
3. Accounting for Bill of Exchange

**January – February**

1. Non Profit Organization
2. Incomplete Records

**Subject : Business Studies**

**July – September**

1. Nature & Purpose of Business
2. Social Responsibility of Business
3. Emerging Modes of Business
4. Business Services
5. Forms of Business Organization

**October – December**

1. Private, Public & Global Enterprises
2. Sources of Finance
3. Formation of Company
4. Small Business

**January – February**

1. Internal Trade
2. International Trade

**Subject : Biology**

MONTH	CHAPTERS
<b>1<sup>st</sup> TERM</b>	
JULY	1. The living world. 2. Cell, the unit of life. 3. Biological Classification 4. Animal Kingdom

AUGUST	5. Plant kingdom 6. Cell cycle and cell division 7. Bio - molecules
SEPTEMBER	8. Morphology of flowering plants 9. Photosynthesis
	<b>2<sup>nd</sup> TERM</b>
OCTOBER	10. Anatomy of flowering plants 11. Structural organisation in animals 12. Mineral nutrition (Self study)
NOVEMBER	13. Respiration in plants 14. Digestion and absorption 15. Body fluids and circulation
DECEMBER	16. Breathing and exchange of gases 17. Plant growth and development 18. Excretory products and their elimination
JANUARY	19. Transport in plants 20. Neural control and co-ordination
FEBRUARY	21. Locomotion and movement 22. Chemical co-ordination

1<sup>st</sup> UNIT TEST (August) : Cell, the unit of life, The living world  
 HALF YEARLY (October) : Till Bio molecules  
 2<sup>nd</sup> UNIT TEST (Jan) : Photosynthesis, Digestion & absorption  
 ANNUAL EXAM (March) : All chapters  
 As per CBSE Curriculum (Subtopics)

### **Subject : Biotechnology**

#### **1<sup>st</sup> TERM:-**

UNIT IV:- Genetics and Molecular Biology:- Chapter 1,2,3  
 UNIT III:- Cell and Development:- Chapter 1,2,3

#### **2<sup>nd</sup> TERM:-**

UNIT II:- Biomolecules:- Chapter1,2,3  
 UNIT I :- Biotechnology within your reach: chapter 1,3

**1<sup>st</sup> Term Test:-** unit IV (Chapter 1 and 2)

**Half Yearly Exam-** Unit III and Unit IV

**2<sup>nd</sup> Term Test: –** Unit II

**Annual Exam:-** Whole Syllabus

**Assignment / Project (Term 1) :** Presentation on “cell and development”.

**Assignment / Project (Term 2) :** Group discussion on “role of biotechnology in society”.

## Subject - Computer Science

MONTH	CHAPTER
JULY	General OOP Concepts
	Getting Started with C++
	Data Handling
AUGUST	Operators and Expressions in C++
	Flow of Control
SEPTEMBER	Functions
	Function Overloading
OCTOBER	Structured Data Type: Array
NOVEMBER	
DECEMBER	Structures
JANUARY	Pointers
FEBRUARY	Presentation Based On Research, Project Work.
TEST – I	General OOP Concepts, Getting Started with C++, Data Handling, Operators and Expressions in C++.
HALF YEARLY EXAMINATION	General OOP Concepts, Getting Started with C++, Data Handling, Operators and Expressions in C++, Flow of Control, Functions, Function Overloading.
TEST – II	General OOP Concepts, Getting Started with C++, Data Handling, Operators and Expressions in C++, Flow of Control, Functions, Function Overloading, Structured Data Type: Array.
ANNUAL EXAMINATION	General OOP Concepts, Getting Started with C++, Data Handling, Operators and Expressions in C++, Flow of Control, Functions, Function Overloading, Structured Data Type: Array, Structure, Pointers.

## Subject : Economics

July	(1) Indian economy on the eve of independence (2) Five Year Plans (3) New economic policy (LPG)
August	(4) Concept of economics and significance of statistics 1 <sup>st</sup> Unit Test Chapters (1 to 4) (5) Collection and organization of data (6) Census and sample methods
September	(7) Measurement of central tendency mean, median & mode
October	<b>Half Yearly exams</b> Chapter (1 to 7) (8) Poverty (9) Human capital formation

November (10) Measurement of Dispersion quartile deviation  
 (11) Measurement of dispersion std deviation and its coefficient  
 (12) Correlation  
 (13) Index Number

December (14) Rural Development  
 (15) Employment and unemployment  
 (16) Infrastructure

II<sup>nd</sup> Unit Test : Measurement of Dispersion, quartile deviation, std deviation correlation, Poverty and Human Capital Formation

January (17) Sustainable development

February (18) Comparative study of India, China & Pakistan  
 Revision

March **Final Exam (Full Syllabus)**

**Subject : Informatics Practices**

July	Chapter 1
	Chapter 3
August	Chapter 4
	Test 1 --> Chapter 1 and Chapter 3
	Chapter 4
September	Chapter 5
Half Yearly Examination --- Chapter 1 ,3,4,5	
October	Chapter 6
	Chapter 7
November	Chapter 8
	Chapter 9
December	Chapter 11
	Chapter 12
	2nd Test --> Programming and Basic Controls
January	Chapter 13
February	Chapter 14
Final Exam --> Chapter 7,8,9,11,12,13,14,15	

**Subject : Legal Studies**

**JULY**

**Unit 1: Theory and Nature of Political Institutions**

- Concept of State/Nation
- Organs of Government - Legislative, Executive and Judiciary
- Separation of Powers – Parliamentary Sovereignty and Judicial

- Independence
- Constitutional Framework of India

## **AUGUST**

### **Unit 2: Nature and Sources of Law**

- Legislation – process, delegated and subordinate legislation
- Case Law – Stare decisis, precedents within the hierarchy of courts
- Authoritative Sources
- Custom
- Law Reform

## **SEPTEMBER**

### **Unit 3: Historical Evolution of Indian Legal System**

- Ancient Indian Law
- English law in India
- [Administration of Justice](#) in British India
- Charter of 1861 and subsequent Charters

## **OCTOBER**

- Establishment of High Courts and the Federal Court
- Drafting of the Indian Constitution
- Ancient Indian Law in Modern Legal Framework

## **NOVEMBER**

### **Unit 4: Civil and Criminal Courts and Process**

- The Civil Court Structure
- The Criminal Court Structure
- The Civil Process
- The Criminal Process – investigation and prosecution

## **DECEMBER**

### **Unit 5: Family Justice System**

- Institutional Framework
- Marriage and Divorce
- Children
- Domestic Violence

## **JANUARY**

## **REVISION**

FIRST UNIT TEST	UNIT I
HALF YEARLY	UNIT I ; UNIT II ; UNIT III
SECOND UNIT TEST	UNIT IV
FINAL	ENTIRE SYLLABUS

### **Subject : Mathematics**

July	: 1. Set	2. Relations	3. Functions	
August	: 1. A.P.	2. G. P.	3. Special series	4. Angle and their measures



February 2016

Unit XI Training in Sports

### Practical

All the practical topics given in the theory book

I<sup>st</sup> Test – Unit 1

Half Yearly – Unit 2 To 5 & Unit 1 of I<sup>st</sup> Test also

II<sup>nd</sup> Test – Unit 6 To 8

Syllabus for Annual Examination - Full syllabus of all units (Unit I to Unit XI)

### Subject : Physics

Month	Topics to be covered
July	1. Dimensions and Dimensional analysis. 2. Error and Propagation of errors. 3. Vector and Vector Algebra. 4. Significant Figures.
August	1. Gravitation. 2. Properties of Bulk Matter.
September	1. Properties of Bulk Matter(continued). 2. Oscillations and Waves.
October	1. Wave Motion (continued).
November & December	1. Kinematics 2. Laws of Motion
January	1. Work, Power and Energy. 2. Motion of system of particles & Rigid Body.
February	1. Rotational Motion. 2. Thermodynamics. 3. Kinetic theory of gases.
Unit test 1	1. Dimensions & Dimensional Analysis. 2. Error & Propagation of errors. 3. Vector & Vector Algebra. 4. Significant Figures & Gravitation.
Unit test 2	1. Kinematics. 2. Laws of Motion.
Half Yearly	1. Topics covered for I unit test 2. Properties of Bulk Matter. 3. Oscillations.
Annual Examination	Entire CBSE curriculum for class XI

विषय - हिन्दी

जुलाई	आरोह	गद्य	प्रेमचन्द्र – नमक का दरोगा कृष्णा सोबती – मियाँ नसीरुद्दीन
		पद्य	कबीरदास 1. हम तौ एक-एक करि जाना। 2. संतो देखत जग बौराना
			मीराबाई 1. मेरे तो गिरधर गोपाल ..... 2. पग घुँघरू बाँधि मीरा नाची रे .....
		व्याकरण	प्रिंट माध्यम (समाचार) पत्र लेखन, अपठित
अगस्त	आरोह	गद्य	सत्यजित राय – अपू के साथ ढाई साल
		पद्य	राम नरेश त्रिपाठी – पथिक सुमित्रानन्दन पंत – वे आँखे
		वितान	कुमार गंधर्व – गायिकाओं में बेजोड़ : लता मंगेशकर
		व्याकरण	प्रिंट माध्यम (सम्पादकीय)
		टेस्ट	उपरोक्त सभी जितना पढ़ाया गया है।
सितम्बर	आरोह	गद्य	बालमुकुन्द गुप्त – विदाई – सम्भाषण
		पद्य	भवानी प्रसाद मिश्र – घर की याद
		व्याकरण	संचार माध्यम, निबन्ध
Activity - त्वरित भाषण			
अर्द्धवार्षिक परीक्षा		उपरोक्त सभी जितना पढ़ाया गया है।	
अक्टूबर	आरोह	गद्य	शेखर जोशी – गलता लोहा कृष्ण नाथ – स्पीति मे बारिश
		पद्य	त्रिलोचन – चंपा काले-काले अच्छर नहीं चीन्हती दुष्यन्त कुमार – गजल
		वितान	अनुपम मिश्र – राजस्थान की रजत बूँदे।
		व्याकरण	जन संचार माध्यम
नवम्बर	आरोह	गद्य	मन्नू भंडारी – रजनी
		पद्य	अक्क महादेवी – 1. हे भूख मत मचल 2. हे मेरे जूही के फूल जैसे ईश्वर
		व्याकरण	रिपोर्ट लेखन, पत्र, निबन्ध
दिसम्बर	आरोह	गद्य	कृश्न चन्दर – जामुन का पेड़।

पद्य निर्मला पुतुल – आओ मिलकर बचायें।

वितान बेबी हालदार – आलो – आंधारि

Activity - डम शराड (मुहावरे एवं लोकोक्तियों पर आधारित)

जनवरी आरोह गद्य जवाहर लाल नेहरू  
भारत माता  
वितान लघु उपन्यास का शेष भाग  
व्याकरण अभ्यास

फरवरी आरोह गद्य सैयद हैदर रजा  
आत्मा का ताप

व्याकरण अभ्यास

आरोह गद्य व पद्य की पुनरावृत्ति

Activity - कविता पाठ

मार्च वार्षिक परीक्षा सम्पूर्ण पाठ्यक्रम।