

**Maharshi Patanjali Vidya Mandir, Allahabad**  
**Syllabus Breakup : 2015 - 2016**  
**Subject : Mathematics**  
**Class - XI**

July : 1. Set      2. Relations      3. Functions

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

I<sup>st</sup> Unit test : Chapters covered in July & August

September : 1. Trigonometric Functions      2. Trigonometric Graphs  
3. Trigonometric Equations      4. Sine and Cosine rule only

Half Yearly Examination : Chapters covered from July to September.

October : 1. Principle of Mathematical Induction,      2. Complex Number  
3. Quadratic Equations.

November : 1. Linear Inequalities      2. Binomial theorem  
3. Cartesian System of Rectangular coordinates (Review)  
4. Straight Lines.

December : 1. Circle      2. Parabola      3. Ellipse      4. Hyperbola.

II<sup>nd</sup> Unit test: Chapters - Binomial Theorem , Cartesian System of Rectangular  
Coordinates, Straight lines Circle,

January : 1. Three-D Geometry      2. Limit & differentiation.  
3. Statistics

February : 1. Permutations & combinations      2. Probability      7. Mathematical reasoning.

Annual Exam: Whole Course.