

**Maharshi Patanjali Vidya Mandir, Allahabad**  
**Syllabus : 2018 - 2019**  
**Subject : Physics**  
**Class - XII**

Month	Topics to be covered
April	Electrostatics (Introduction to force and field)
May	Electrostatics contd. Concept of Potential and Capacitors
July	Current Electricity, Semiconductor devices
August	Magnetic effect of current.
September	EMI, AC, Electromagnetic Waves, Ray Optics
October	Ray and wave optics continued
November	Dual nature of matter, Atoms and Nuclei, Communication System
December	Communication System Continued

Unit Test - I	Electrostatics, Concept of drift velocity, and ohm's law through drift velocity.
Half Yearly	Electrostatics, Current electricity, Magnetic effect of current and Semiconductor devices, Electromagnetic Induction and A.C., Electromagnetic waves
Pre – Board	Entire CBSE curriculum of Physics (2018-19)

**Physics Practical -**

Till – Half Yearly

**Section – A**

1. Sonometer
2. Metre Bridge (I & II)
3. Potentiometer (I & II)

**Section – B**

1. Glass Prism
2. Concave Mirror
3. Convex Lens
4. Refractive Index of Unknown Liquid (I & II)

Till Pre Broad

1. Half Deflection
2. Ohm's Law

1. Combination of Convex Mirror with Convex Lens
2. Combination of Concave Lens and Convex Lens
3. Forward Bias Characteristics