

SYLLABUS CLASS XII (SCIENCE) FOR PHYSICS

2018 -2019

First term

April

- Electrostatics
 - Electric Charges and fields
 - Gauss's Theorem
 - Electric Potential and Potential Energy
 - Capacitors and Dielectrics
- Current Electricity
 - Electric Resistance and Ohm's Law
 - DC circuits and Measurements
- Ray Optics
 - Refraction of Light
 - Lenses
 - Prism
 - Optical Instruments

May

- Ray Optics (continued)
- Magnetism
 - Moving Charges
 - Moving coil Galvanometer
 - Magnetic Field and Earth's Magnetism
 - Magnetic Classification Of Substances

June

- Electrons and Protons
 - Bohr's Theory
 - Nuclear Structure
 - Radioactivity
 - Nuclear Fission and Fusion

July

- Electrons and Protons (continued)
- Electromagnetism
 - Electromagnetic Induction
 - Alternating Currents

- Wave Optics
 - Huygens's Principal
 - Interference Of Light

August

- Wave Optics (complete)
- Dual Nature Of Matter
 - Photoelectric Effect
 - Matter Waves

September

- Dual Nature Of Matter(continued)
 - X-Rays
- Alternating Current
 - Electromagnetic InductionAlternating current

Second Term

October

- Alternating Current(continued)
- Semiconductor Device
 - Semiconductor Electronics
 - Junction Diode

November

- Semiconductor Device (continued)
 - Junction Transistors
 - Logic Gates
- Revision