**AIR FORCE SCHOOL, BAMRAULI**

**Monthly Split-Up Syllabus 2019-2020**

**Class: XII Subject: Physics**

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| **SLNO** | **Month** | **Chapter/Unit** | **Topic/ Sub topic** |
| 1 | April | 1 | Electric Charge, Coulombs Law, Electric Field, electric dipole,Numericals |
| Electric Potential, Electric Potential Energy, Equipotential Surface, Electrostatics of conductor, Dielectric and Polarization, Capacitors, combination of capacitors |
| 2 | May | 2 | Energy stored in capacitor, Van De Graph Generator, numerical ,Electriccurrent,Ohm,s law |
| 3 | June | 3 | Driftvelocity,Resistivity,Energy, power Combination of resistors-series and parrallel Wheat stone bridge,metre bridgePotentiometer,Numericals |
| 4 | JULY | 4 | Moving charge ,Biot savart law, Application of biot savart law, cyclotron,M C G,Ammeterand voltmeter,Numericals,Magnetism,Dia,Para,Ferro,earth magnetism,EMI,self induction,mutual induction,Numericals |
| 5 | AUG | 5,6 | A.C,L.C.R circuit, Resonance, AC generator and transformer, Electromagnetic Wave, Electromagnetic Spectrum, Reflection of light, Refraction of light, Lens Maker Formula, Optical instrument, Numerical |
| 6 | SEP | 7,8 | Wave Optics,Hygens Theory, Polarization, Brewster’s Law, Malus Law, Dual Nature of Radiation, DE Broglie Equation, Bohr’s Model Hydrogen Spectrum, numerical |
| 7 | OCT | 9 | Nuclear energy, Mass defect, Fission, fusion, Numerical |
| 8 | NOV | 10 | Semiconductor, diode, rectifier, BJT, Logic gate, Numerical |
| 9 | DEC |  | Revision& CBSE Sample paper |
| 10 | JAN |  | Revision& CBSE Sample paper |
| 11 | FEB |  | CBSE Sample Paper |
| 12 | MAR |  | Board Examination |