**AIR FORCE SCHOOL, BAMRAULI**

**Monthly Split-Up of Syllabus**

**ACADEMIC SESSION - 2019-2020**

**Class: XI Subject: Physics**

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| **SL NO** | **Month** | **Chapter /Unit Lession** | **Topic/ Sub topic** |
| 1 | June | 1 | Mathematical tools, Physical World, fundamental forces, Units and measurement, Fundamental quantities, Parallax method |
| 2 | JULY | 2 | Dimension and its application, Numerical, Unit and Measurement, Average speed, graph, Equation of motion, relative motion, Numerical |
| 3 | AUG | 3 | Motion in a plane, Vector addition and multiplication, Projectile Motion, Laws of Motion, Conservation of momentum, numerical |
| 4 | SEP | 4 | Work ,Work energy theorem, Power, Energy Conservation, Numerical, Rotational Motion, Moment of inertia, theorem, Motion on an inclined plane, M.I of different body, Numerical |
| 5 | OCT | 5 | Gravitation, Kepler law of planetary motion, acceleration due to gravity, Orbital Velocity, Escape Velocity, Gravitational potential energy, Numerical, Elasticity, hooks’ law, Young’s modulus, bulks modulus, modulus of rigidity, numerical |
| 6 | NOV | 6 | Pascal’s law, Hydrostatics Paradox, Stokes law, Viscosity, Numerical |
| 7 | DEC | 7,8 | Thermal Properties, Specific heat capacity, heat capacity, Molar heat capacity, Kinetic theory of Gases, Law of equipartition of energy, kinetic interpretation of gases, Numerical |
| 8 | JAN | 9,10 | Thermodynamics,1st and 2st law of thermodynamics, heat engine, Carnot engine, Waves and Oscillation, S.H.M ,Simple Pendulum, PPW |
| 9 | FEB |  | Stationary Wave, Nodes and Antinodes, Numerical , REVISION |