**WEEKLY PLAN**

|  |
| --- |
| MONTH OF APRIL 2018 |
| CLASS 11 | WEEK1 | WEEK2 | WEEK 318th to 19th April 2 pds | WEEK422-26th of April | Week 529-30th |
| PHYSICS |  |  | **CHAPTER- MOTION IN A STRAIGHT LINE:** Introduction.Positionpath length displacement speed and velocity.  | Uniform and non-uniform motion.Average speed and instantaneous velocity.Acceleration.Position-time graph, speed and velocity. Velocity – time graphAcceleration – time graphRelations for uniformly accelerated motion (graphical treatment)Numerical. | Relative velocity.Numerical in exercises. |
| Practical- Cycle I 1. Screw Gauge I
2. Screw Gauge II
3. Vernier Callipers

Simple Pendulum |

**WEEKLY PLAN**

|  |
| --- |
| MONTH OF MAY 2018 |
| CLASS 11 | WEEK11st -3rd | WEEK26th -10th | WEEK313th – 17th | WEEK420th -24th | WEEK 527th -31st |
| PHYSICS | **CHAPTER-MOTION IN A PLANE**Introduction.Unit vector; Resolution of a vector in a plane - rectangular components Scalar and Vector product of vectors. | Motion in a plane. Scalar and vector quantities; Position and displacement vectors, general vectors and theirnotations.Equality of vectors, multiplication of vectors by a real number. Addition and subtractionof vectors.Cases of uniform velocity and uniform acceleration-projectile motion. Uniform circular motion**CHAPTER-PHYSICAL WORLD AND MEASUREMENT**Physics - scope and excitement; nature of physical laws; Physics, technology and society. Fundamental and derived quantity. Length, mass and time measurements; Need for measurement:  | : Units of measurement; systems of units; SI units, fundamental units and derived units. Accuracy and precision of measuring instruments;errors in measurement; significant figures.Dimensions of physical quantities, dimensional analysis and its applications. Frame of reference,**UNIT TEST 1- starts on 13th .** | **CHAPTER-LAWS OF MOTION**Intuitive concept of force. Inertia, Newton’s first law of motion; momentum and Newton’s second law of motion; impulse; Newton’s third law of motion.**UNIT TEST 1** | Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces. Static and kinetic friction, laws of friction, rolling friction,lubrication. Dynamics of uniform circular motion:**UNIT TEST 1- ends on 31st .** |
| Practical- Cycle I 1. Screw Gauge I
2. Screw Gauge II
3. Vernier Callipers

Simple Pendulum |
| **SUMMER BREAK (From 03.06.18 to 31.07.18)** |