MODEL ACTIVITY TASKS
CLASS – XI
PHYSICS

Chapter : Physical World and Mesurement, Kinematics

Write the answers to the questions given below :

1. If the displacement of a particle in the t-th second is $S_t = u + \frac{a}{2}(2t - 1)$,find the dimension of S_t from your observation.
2. If the resultant of two forces is equal in magnitude to one of them and is perpendicular to it in direction, find the other.
3. A particle moves in a circular path with uniform speed of 5 m/s . Find the acceleration of the particle when it moves from one end of a diameter to its other end in 3 s.
4. If the resistance is given by the equation $R = \frac{V}{I}$ where $V = (100 \pm 4)$ V and $I = (10 \pm 0.2)$ A find the percentage error in R.

Students will write answers to these activity tasks in subject specific exercise books at home, and submit the exercise books to respective subject teachers after schools reopen. Under no circumstance, students will go out of home.