



SACRED HEART SCHOOL
Jhumri Telaiya, Koderma
ASSIGNMENT (2020– 2021)

Class - IX

Subject – PHYSICS

Assignment questions based upon online class

1. What is the motion of equations? Prove the following equations with the help of graphical representation,
i. $v = u + at$ ii. $s = ut + \frac{1}{2}at^2$ iii. $v^2 - u^2 = 2as$
2. A bus starting from rest moves with a uniform acceleration of 0.01 m s^{-2} for 2 minutes. Find a) the speed acquired, (b) the distance travelled.
3. A trolley, while going down an inclined plane, has an acceleration of 2 cm-s^{-2} . What will be its velocity 3s after the start?