



# SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi

Session - 2021-22

Assignment - I



**Class: IX**

**Subject: Science**

## Physics

1. Derive the following equations of uniformly accelerated motion by graphical method where the symbols have their usual meanings.

i)  $v = u + at$

ii)  $S = ut + \frac{1}{2} at^2$

iii)  $v^2 = u^2 + 2aS$

## Chemistry

Make a model to (i) demonstrate movement of particles in solids, liquids and gases

(ii) study the latent heat of vaporisation of water

(In form of ppt)

## Biology

Draw the diagrams to show mitosis and meiosis cell division. Also write any three differences between mitosis and meiosis.

