NEW STANDARD ACADEMY

Semri Kothi Super Market, Raebareli
CLASS 9 (Academy) 19-05-2025

PHYSICS

1. Write difference between sped and velocity.
2. A train covers 80 km in 2 hours. Find its average speed in kmh^{-1}, $m\ min^{-1}$ and ms^{-1}.
3. Which one of the following have maximum and the least average speed ?
   (i) Sanjeev moving with 12 kmh^{-1} (ii) Rajeev running with 5 ms^{-1}
   (iii) Kabir moving with 150 $m\ min^{-1}$.
4. A car is moving at a speed of 50 km/h. Two seconds there after it is moving at 60 km/h. Calculate the acceleration of the car.
5. A car attains 54 km/h in 20 s after it starts. Find the acceleration of the car.

CHEMISTRY

1. Write any four factor's that affects the rate of evaporation.
2. Give two –two examples of metals, metalloid & non – metals.
3. Define Homogeneous & Heterogeneous mixtures
4. Write the difference in between physical and chemical change
5. Classify the solution on the basic of concentration of solute

BIOLOGY

1. What is centrosome give its function
2. Draw the label diagram of centriole in centrosome
3. Give the function of ribosome
4. What is the peroxysome give the its function
5. What is a spherosome give its function

MATH

1. Plot the following points on a graph paper:
   (i) (3,4)   (ii) (-4,5)
2. Points(-4,0) and (7,0) lie:
   (a) on x- axis   (b) on y-axis
3. If p(-2,3) and Q (-3,5) are two points, then (abscissa of P – abscissa of Q)is
4. The image of a point P under reflection in the x-axis has the coordinates Q (7,-3). The coordinates of P are:
5. Which of following statement are true regarding the points P(7,2) , Q(7,-4) and R(-2,0)?
   (i) Distance between points P and Q is 6 units.
   (ii) PQ + OR = 8 units, where O is origin .