Model (1)

Science

1) The two factors which describe the motion of an object are......
   a) Speed and time.
   b) Distance and time.
   c) Area and time.
   d) Displacement and speed.

2) From the examples of vector physical quantities is........
   a) Mass.
   b) Time.
   c) Length.
   d) Displacement.
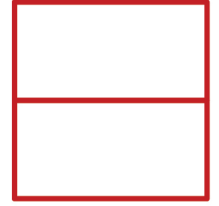
3) From the examples of living organism which reproduce by budding is ......
   e) Mushroom
   f) Yeast
   g) Star fish
   h) Amoeba

4) If a spherical mirror of radius is 20 cm so its focal length is..............cm.
   a) 40
   b) 20
   c) 10
   d) 5

5) **The passing light ray in the optical center of a convex lens will**......
   a) pass through the focus
   b) parallel to the principle axis
   c) not refract
   d) reflect on itself

6) The solar system is located in.......
   a) The center of galaxy
   b) the edge of the circular galaxy.
   c) The nebula
   d) At one of the arms of the spiral galaxy.

Maths

1) If $(4 , a) \in$ the function f : f$(x) = x + 1$, then a = …….   (3 , 4 , 5 , 6)

2) If $(x+3 , 6)$ located on the y- axis , then x = ………   (0 , 3 , -3 , 6)
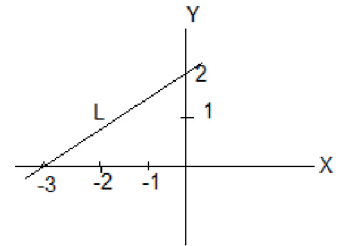
3) If Y varies directly as X and Y=6 when X = 3 , then the value of Y at X = 5 is ……

(5 , 8 , 9 10)

5) The arithmetic mean of 1,2,3,4 and 5 =………   (5 , 4 , 3 , 2)

6) In the opposite figure, the slope of the straight line L is ……..

$(\frac{3}{2}$, $-\frac{3}{2}$, $\frac{2}{3}$, $-\frac{2}{3}$)

7) If tan 3X = $\sqrt{3}$, where X is an acute angle , then m($\angle$ X) = ……° (10 , 15 , 20 , 30)

8) If A (5 , 7) and B (1 , -1) ,then the mid-point of $\overline{AB}$ is the point ……….

((3 , 3) , (2 , 3) , (2 , 4) , (6 , 6)   )