

Model (3)

Science

- 1) The ability of some living organisms to regenerate the missing parts is called....
 - a) Regeneration.
 - b) Budding.
 - c) Binary fission.
 - d) Vegetative reproduction.
- 2) A gaseous sphere which forms the planets of the solar systems.....
 - a) Galaxy.
 - b) Nebula.
 - c) The big bang.
 - d) The universe.
- 3) A light ray falls on a plane mirror with an angle of 30° so it will reflect with an angle of
 - a) 30°
 - b) 60°
 - c) 90°
 - d) 180°
- 4) A vision defect results from the shortness of eye ball diameter.....
 - a) Short sightedness
 - b) Cataract
 - c) glaucoma
 - d) Long sightness
- 5) If a body moves from rest regularly till its velocity reaches 10m/s .After 2 seconds from the beginning of the movement so the change in its velocity during 2 seconds equals..... m/s^2
 - a) Zero
 - b) 5
 - c) 10
 - d) 20
- 6) The total distance that a moving object covers divided by the total time taken to cover this distance is.....
 - a) The final speed
 - b) displacement.
 - c) the average speed.
 - d) the relative speed.

Maths

1) If $\frac{x}{y} = \frac{z}{l} = \frac{2}{3}$, then $\frac{x+2z}{y+2l} = \dots\dots\dots$ ($\frac{2}{3}$, $\frac{3}{2}$, $\frac{1}{3}$, $\frac{9}{4}$)

2) If $n(X) = 5$ and $n(X \times Y) = 10$ then $n(Y) = \dots\dots\dots$ (4 , 3 , 2 , 1)

3) The simplest scale for measuring deviation is(Mean , Median, Range , Mode)

4) The fourth proportion of the values 4 , 12 and 16 is(24 , ± 24 , 48 , ± 48)

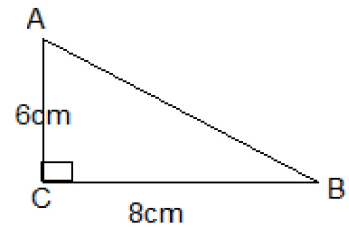
5) If $m(\angle A) = 75^\circ$ and $\sin B = \cos A$,where B is an acute angle , then $m(\angle B) = \dots\dots^\circ$

(45 , 75 , 15 , 105)

6) If the triangle ABC is right angled at angle C

$\cos A \cos B = \dots\dots\dots$

(0 , 1 , 6 , 0.48)



7) The product of the slopes of two perpendicular straight lines =

(1 , -1 , ± 1 , 0)

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

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