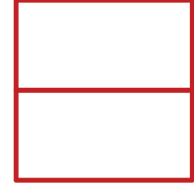


Model (2)

Science

1) A light ray is incident and passing by the focus of a concave mirror, so.....

- a) It will reflect parallel the principle axis.
- b) Reflected on itself.
- c) Reflected and passing by the center of curvature.
- d) Reflected and passing by the pole of mirror.



2) From the examples of scalar physical quantities

- a) Mass.
- b) Acceleration.
- c) Force.
- d) Displacement.

3) A convex lens of focal length of 20 cm, so its radius is.....

- a) 40 cm.
- b) 20 cm.
- c) 10 cm.
- d) 5 cm.

4) From the measuring units of speed.....

- a) m/sec.
- b) m/sec².
- c) m.
- d) sec.

5) The universe is formed from the combination of molecules of

- a) Oxygen and Nitrogen.
- b) Hydrogen and Helium.
- c) Hydrogen and Oxygen.
- d) Nitrogen and Helium.

6) The offspring produced from the asexual reproduction gains traits which the original organism.

- a) are different from.
- b) are identical to.
- c) have a big difference from.
- d) Have a small difference from.

Maths

- 1) The function $f : f(x) = x^4 - 2x^3 + 7$ is a polynomial function ofdegree
(first - second - third - fourth)
- 2) If Y varies directly as X ,and X=1 when Y = 4 then the constant of variation =
(1 , -1 , 4 , -4)
- 3) If $\frac{a}{3} = \frac{b}{4}$ then $4a - 3b + 5 = \dots\dots\dots$
(4 , 3 , 5 , 7)
- 4) If the point (5 ,3-k) located on X- axis , then k =
(0 , 5 , -3 , 3)
- 5) The Range of the values 23,22,15,18 and 17 =
(8 , 18 , 19 , 23)
- 6) The slope of the perpendicular straight line to the straight line passes through the two points (-1,2) and (0,5) =
(3 , -3 , $\frac{2}{3}$, $\frac{1}{3}$)
- 7) The straight line whose equation is : $2x + 5y - 10 = 0$ intersect from x-axis a part of lengthunit length
(2 , 5 , $\frac{5}{2}$, $\frac{2}{5}$)
- 8) If $\sin X = \frac{1}{2}$,where X is an acute angle , then $m(\angle X) = \dots\dots\dots^\circ$
(90 , 60 , 45 , 30)

