

Solution of the day/Oct-3, 2018

6th Class

- **Mathematics:** Ans: (C)
- **Physics:** Ans: (A)
- **Chemistry:** Ans: (B)
- **Biology:** Ans: (B)

7th Class

- **Mathematics:** Ans: (C)
- **Physics:**
Sol: If the object is placed unsymmetrically then $n = \frac{360}{60}$ no. of images $n-1=6-1=5$
- **Chemistry:** Ans: Non-metals
- **Biology:** Ans: (D)

8th class

- **Mathematics:** Ans: (A)
- **Physics:**
Sol. $m = \frac{v}{u}$ and $\frac{1}{f} = \frac{1}{u} + \frac{1}{v} \Rightarrow \frac{1}{f} = \frac{1}{u} + \frac{1}{u/n} \Rightarrow \frac{1}{f} = \left(\frac{n+1}{u} \right)$
- **Chemistry:** Ans: (B)
- **Biology:** Ans: (A)

9th Class

- **Mathematics:** Ans: (A)
- **Physics:** Ans: Virtual
- **Chemistry:** Ans: (C)
- **Biology:** Ans: (A)

10th class

➤ **Mathematics:** Ans: (B)

➤ **Physics:** Ans: (B)

➤ **Chemistry:**

Sol: Wash the hand immediately with plenty of water and apply a paste of baking soda (NaHCO_3).
Baking soda is a mild base. Here, a strong base cannot be used to neutralize the acid due to its corrosive nature.

➤ **Biology:** Ans: (D)

➤ **Reasoning :**

Sol. As per series a, ak, ak^2, ak^3, \dots $a = 9, k = 2$ $ak^3 = 9 \times 2^3 = 72$