

Solution of the day/Nov-20, 2018

6th Class

- **Mathematics:** Ans : $4x^2 - 3x - 2$
- **Physics:** Ans: (C)
- **Chemistry:** Ans: (A)
- **Biology:** Ans: (B)

7th Class

- **Mathematics:**

Sol. Milk in 35 litres of mix. = $\left(35 \times \frac{4}{5}\right) = 28$ litres. Water in this mix. = $(35 - 28) = 7$ litres.

New mixture contains milk = 28 litres.

Water in new mixture = $(7 + 7)$ litres = 14 litres.

∴ Ratio of milk and water in new mix. = $28 : 14 = 2 : 1$.

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

8th class

- **Mathematics:**

$$\begin{array}{r} \text{Sol: } 7x - 3y + 2z \\ 2x + 7y - 8z \\ \hline (-) \quad (-) \quad (+) \\ 5x - 10y + 10z \end{array}$$

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

9th Class

➤ **Mathematics:** Ans: (A)

➤ **Physics:** Ans: (A)

➤ **Chemistry:** Ans: (A)

➤ **Biology:** Ans: (A)

10th class

➤ **Mathematics:** Ans : (A)

➤ **Physics:** Ans : (B)

➤ **Chemistry:** Ans: (BC)

➤ **Biology:** Ans: (C)

➤ **Reasoning :** Ans : (A) Effective length covered in 1 min = $5 - 2 = 3$ m
First 30 m = $3 \text{ m} \times 10 \text{ min}$
Seconds 5 m = $5 \text{ m} \times 1 \text{ min}$
∴ Overall time taken by monkey is 11 min