

## Solution of the day/Dec-13, 2018

### 6<sup>th</sup> Class

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

### 7<sup>th</sup> Class

#### ➤ **Mathematics:**

Sol: Let the common ratio be x. So, the smaller number is 1x. And the greater number is 4x.  
Their difference is 30. i.e.,  $4x - x = 30$        $3x = 30$        $x = 30/3$        $x = 10$   
Therefore,  $1x = 1 \times 10 = 10$        $4x = 4 \times 10 = 40$   
Therefore, the two numbers are 10 and 40.

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

### 8<sup>th</sup> class

#### ➤ **Mathematics:**

Sol:  $96^3 + 104^3 = (100 - 4)^3 + (100 + 4)^3$   
Here a = 100; b = 4  
 $= 2(100)^3 + 6(100)(4)^2 = 2000000 + 9600 = 2009600.$   
Total : 24 questions

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

### 9<sup>th</sup> Class

- **Mathematics:** Ans: (A)
- **Physics:** Ans: (B)

➤ **Chemistry:** Ans: (BCD)

➤ **Biology:** Ans: (C)

**10<sup>th</sup> class**

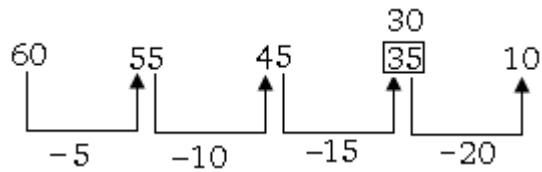
➤ **Mathematics:** Ans : (D)

➤ **Physics:** Ans : (AC)

➤ **Chemistry:** Ans: (A)

➤ **Biology:** Ans: (B)

➤ **Reasoning:** Ans : (C)



Hence, 30 will come in place of 35.