

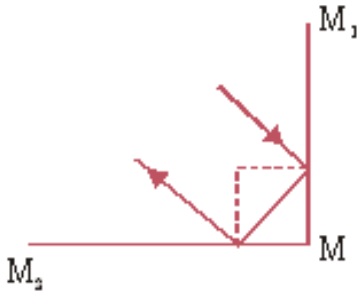
## Solution of the day/Oct-8, 2018

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

➤ **Mathematics:** Ans: (B)

➤ **Physics:**

Sol: From  $\triangle OO'L$



Total deviation  $D = 360 - 2\theta = 360^\circ - 2 \times 90^\circ = 180^\circ$

Thus out going light ray becomes parallel to incident ray.

➤ **Chemistry:** Ans: (D)

➤ **Biology:** Ans: (A)

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

➤ **Mathematics:** Ans: (B)

➤ **Physics:** Ans: 50

➤ **Chemistry:** Ans: Malleability

➤ **Biology:** Ans: (A)

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

➤ **Mathematics:** Ans: (B)

➤ **Physics:** Ans: 12

➤ **Chemistry:** Ans: (B)

➤ **Biology:** Ans: (A)

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

- **Mathematics:** Ans: (C)
- **Physics:** Ans: Virtual, erect and the image is of same size as that of the object.
- **Chemistry:** Ans: Because metals like sodium and potassium react so vigorously that they catch fire if kept in open. Hence to protect them they are kept immersed in kerosene oil.
- **Biology:** Ans: (B)

## 10<sup>th</sup> class

- **Mathematics:** Ans: (C)
- **Physics:** Ans: (C)  $d = i - r$ ;  $d = 15^\circ$
- **Chemistry:** Ans: (D)
- **Biology:** Ans: (B)
- **Reasoning :**  
Sol. Each term is multiplied by 3, 4, 5 and so on respectively. Therefore, the next term would be  $180 \times 6 = 1080$ . Ans. 1080