

In a physical balance working on the principle of moments, when 5 mg weight is placed on the left pan, the beam becomes horizontal. Both the empty pans of the balance are of equal mass. Which of the following statements is correct ?

[JEE MAIN (Online) 2017]

- (A) Left arm is shorter than the right arm
- (B) Both the arms are of same length
- (C) Every object that is weighed using this balance appears lighter than its actual weight.
- (D) Left arm is longer than the right arm.

Ans (A)