

Reasoning Worksheet

Practice. Learn. Succeed

Sub : Science

Grade: IX

Date:

Name:

ID No.....

Tick the Choice Question

1. Read the following statements:

A : The same force produces an acceleration of 4 m/s^2 in a body P and 6 m/s^2 in a body Q. The ratio of masses of P to Q is 3 : 2.

B : If the acceleration of a body becomes five times during the course of its motion; the force acting on it also changes by five times.

C : A body of mass 200g is moving on a smooth surface with uniform velocity of 4 m/s. The force acting on it is zero.

Select the correct alternative:

(a) A, B, C are correct

(b) only C is correct

(c) none of these are correct

(d) only A is correct

2. A particle is moving with a constant speed along a straight line path. A force is required to

(i) increase its speed

(ii) decrease the momentum

(iii) change the direction

(iv) keep it moving with uniform velocity

Select the correct alternative:

(a) all four choices are correct

(b) only (iv) is correct

(c) (i) and (iii) both are correct

(d) None of these
