

QUES 04:-

A ball is travelling with uniform translatory motion. This means that

- (a) it is at rest.
- (b) the path can be a straight line or circular and the ball travels with uniform speed.
- (c) all parts of the ball have the same velocity (magnitude and direction) and the velocity is constant.
- (d) the centre of the ball moves with constant velocity and the ball spins about its centre uniformly.

ANS

So here situation given is that ball is travelling with uniform translatory motion. Uniform implies same **velocity(velocity will be constant)** throughout the motion and translatory means **linear motion(direction won't change)**

So here we have our answer OPTION C