

- Q.** 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. (c) In a uniform translatory motion, all parts of the ball have the same velocity in magnitude and direction and this velocity is constant.

The situation is shown in adjacent diagram where a body A is in uniform translatory motion.

