

**12** Which statement about forces is correct?

- A** Any object at rest or moving with uniform velocity has no forces acting on it.
- B** Equilibrium of a system of forces is a consequence of Newton's third law of motion.
- C** In any system of forces in equilibrium, all the forces are equal in magnitude.
- D** In any system of forces in equilibrium, the resultant force and the resultant torque are both zero.

