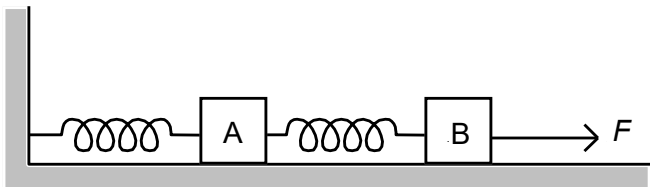6   Two boxes A and B of equal mass *m* are connected by two identical light springs and are placed on a horizontal smooth surface. A horizontal force *F* is applied to box B so that the system is in equilibrium.

If the applied force *F* is suddenly removed, what are the magnitudes of the acceleration of each box at the instant when force *F* is removed?

	acceleration of box A	acceleration of box B
A	zero	$\dfrac{F}{m}$
B	zero	$\dfrac{F}{2m}$
C	$\dfrac{F}{2m}$	$\dfrac{F}{m}$
D	$\dfrac{F}{m}$	$\dfrac{F}{2m}$