Question 19

A particle of mass *M* kg is on a horizontal table and is connected by a light string to a particle of mass 2 kg hanging vertically at the edge of the table. The coefficient of friction between the table and the mass *M* is equal to $\frac{1}{3}$. Then if

A. $M > 6$ both masses move with constant acceleration.

B. $0 < M < 6$ both masses move with constant acceleration.

C. $0 < M \leq 6$ the system is in limiting equilibrium.

D. $M > 6$ both masses move with constant velocity.

E. $0 < M < 6$ both masses move with constant velocity.

