

# Question 1

A 10 kg phone is suspended in an elevator. The elevator is at rest. The rope suspending the phone is taut.



Which of the following is the tension in the rope from which the phone is suspended?

1.  $T = 0 \text{ N}$
2.  $T = 9.8 \text{ N}$
3.  $T = 10 \text{ N}$
4.  $T = 98 \text{ N}$

## Question 2

A 10 kg phone is suspended in an elevator. The elevator and its contents move up with a constant speed. The rope suspending the phone is taut.



Which of the following is the tension in the rope from which the phone is suspended while it moves as described?

1.  $T = 0 \text{ N}$
2.  $T = 9.8 \text{ N}$
3.  $T = 10 \text{ N}$
4.  $T = 98 \text{ N}$