

**Solutions:**

A1 – (c)

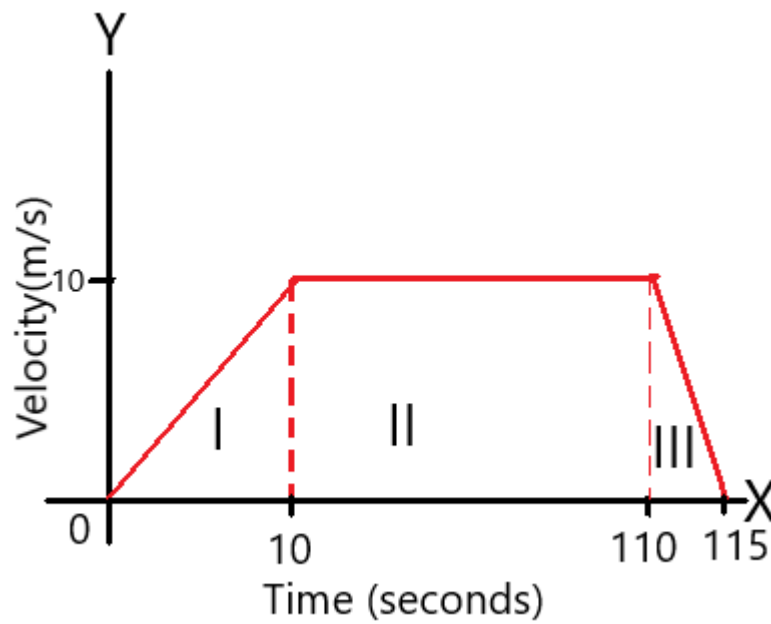
A2 – (a)

A3 – (a)

B1 – (a) 12 km

(b) 8.5 km

B2 - (a)



(b) 1075 m

(c)  $1 \text{ m/s}^2$

B3 –  $a = 10 \text{ m/s}^2$  RIGHT

B4 – (a)  $a = 3.5 \text{ m/s}^2$

(b)  $F = 10.5 \text{ N}$