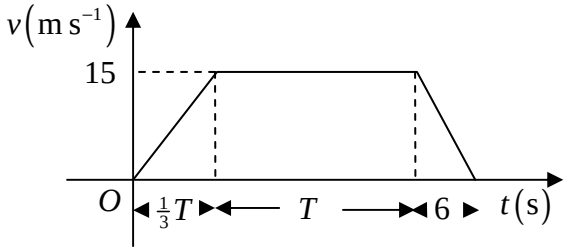
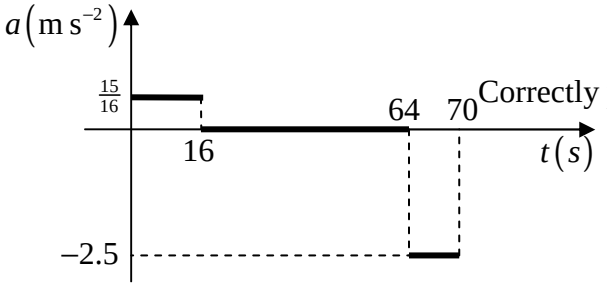
Question Number	Scheme	Marks
6 (a)	$v = u + at \Rightarrow 0 = 15 - 2.5t$ $t = 6 \quad (\text{s})$	M1 A1 (2)
(b)	 Shape 15, T	B1 B1 (2)
(c)	$\frac{1}{2}15\left(\frac{4}{3}T + 6 + T\right) = 885$ ft their 6 $\frac{7}{3}T = 118 - 6$ $T = 112 \times \frac{3}{7} = 48$	M1 A1ft M1 A1 (4)
(d)	$a = \frac{15}{\frac{1}{3}T} = \frac{15}{16}$, 0.9375, 0.938, 0.94	M1 A1 (2)
(e)	 3 horizontal lines Correctly placed;no cts vert line –2.5, ft their $\frac{15}{16}$	B1 B1 B1 (3)
		13