

Election 2018 Physics Mark Scheme

1	D	2
2	A	2
3	A	2
4	C	2
5	D	2
6a	Height = 62 B OR 1 Z = 6.92 m 107 (.26) m (full credit for correct answer)	1 1 Total 5
6b	1 G = 0.64 s OR 3 Z = 20.8 m v=d/t with numbers substituted 32.4 m/s (full credit for correct answer)	1 1 1 Total 5
7a	33/6 = 5.5 35.5 m/s (full credit for correct answer)	1 1
7b	Use of relative speeds t = 36.7 or 56.7 s 312 m (full credit for correct answer)	1 1 1 Total 5
8	$\rho = m/V$ Total mass = 1040 g $V_s = 0.975 \times 2.63 \times n$ AND $m_s = 5.69 \times n$ $V_w = m_w$ (since $\rho_w = 1$) 12.8 spoons (full credit for correct answer)	1 1 1 1 1 Total 5