Practice Question Set For GCSE

Subject: Physics



Paper-2 Topic: GCSE Triple Science_Forces (Low Demand Questions)

	the Student:rks : 18 Marks	Time : 18 Minutes
Mark Sch	nemes	
Q1.		
(a)	gravitational force	1
(b)	air resistance	1
(c)	the resultant force on the hailstones is zero	1
(d)	line extrapolated to 80 mm allow a straight line	1
	46 (m/s) allow 44 - 48 but not if inconsistent with their extrapolated line	1
(e)	it has a greater weight	1
(f)	0.48 (N)	1
(g)	upwards allow up ignore north	1 [8]
Q2. (a)	centre of mass	1
(b)	weight is directly proportional to mass	1
(c)	reading from balance = 1.1 kg	1
	mass = $\frac{1.1}{5}$ = 0.22 kg allow correct calculation using incorrectly read value from the balance	

(d)	$weight = 0.22 \times 9.8$	
	allow ecf from part (c)	1
	2.156 (N) allow correct answer to 2 or 3 sig figs	1
(e)	0.015 m	1
(f)	spring constant = $\frac{6.0}{0.015}$ allow ecf from part (e)	1
	400 (N/m)	1
(g)	returns to its original length/shape allow returns to 3.5 cm	1 [10