Practice Question Set For GCSE

Subject: Physics

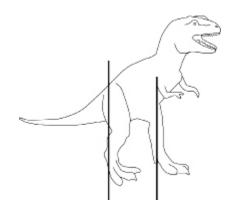
Paper-2 Topic: GCSE Triple Science_Forces (Low Demand Questions)



Name of Max. Mai		 Time : 18 Minutes		
Mark Sch				
Q1. (a)	С			1
(b)	mo	ment	accept any unambiguous correct indication	
(c)	bigger tha		n accept any unambiguous correct indication	1
(d)	120 (Ncm) allow 1 mark for correct substitution ie 12 × 10	2
Q2. (a)	(i)	12		[5]
	(ii)	0.2	allow 1 mark for their (a)(i) ÷ 60 and correctly calculated	1
		m/s²	accept correct unit circled in list accept ms ⁻²	
(b)	В		do not accept mps²	1
Q3.				[4]

(a) (i) centre of **X** above the feet and in the body

a vertical line from their **X** falls between two lines in diagram - judged
by eye



where the mass seems to be concentrated

(ii)

			accept it's above the <u>base</u> (area)		
			accept because otherwise it would topple		
			accept line of action (of weight) passes through the <u>base</u>		
			do not accept where the mass is concentrated	1	
(b)	any				
		•	make (the area of) feet / base bigger		
		•	make feet wider apart		
		•	makes legs shorter / heavier		
		•	make head smaller / lighter		
		•	make tail touch the ground / make the tail longer accept 'make centre of mass / gravity lower'	2	[4]
Q4	(a)	(i)	moment	1	
		(ii)	rotation	1	
		(11)	Totation	1	
		(iii)	the girl moves nearer to point P	1	
	(b)	(i)	X drawn in the centre of the space enclosed by the tyre judge by eye		
			jaage 27 dye	1	
		(ii)	below	1	
					[5]