Practice Question Set For GCSE

Subject: Physics

Paper-2 Topic: Forces (Standard Demand Questions)

Name of the Student:



Max. Ma	Time: 17 Minutes	
Mark Sch		
Q1.		
(i)	C and D or D and C	
()	accept CD	
	accept DC	
	accept answers in terms of time	1
(ii)	any one from:	
	streamline position streamline clothes	
	accept crouched position	
	accept tight clothes	
	accept design of cycle	
	accept cycle slower	
		1
(iii)	0.5 hours or 30 minutes or 1800 seconds	
()	must have unit	
		1
	distance	
(iv)	speed = time (taken)	
	accept any correct rearrangement	
	accept $s = d/t$ or $v s/t$	
	accept velocity for speed	
	<u> </u>	
	accept st	
	Α	
	if subsequent use of Correct	
	if subsequent use of Z correct	1
		•
(v)	16	
	allow for mark for each of time $= 3.5$ hours	
	distance = 56km	
	allow e.c.f. from part (a)(iii) if correctly used	
	an answer of 14 gains 2 marks	
	allow 1 mark for correct attempt to average the three sections	3

QZ.				
(a)	up	for 1 mark	1	
(b)	(i) inc	reased for 1 mark		
			1	
	(ii) mor	e water displaced; ship heavier		
		either for 1 mark	1	[3]
Q3.				
(a)	3			
(α)	3	gains 1 mark		
	m/s ²			
		gains 1 mark		
	else work	king gains 1 mark	2	
(b)	2850 ecf			
, ,		gains 1 mark		
	N			
		gains 1 mark		
	else work	king		
		gains 1 mark	2	
			2	
(c)	till friction	r resistance increases with speed; al = max forward force;		
	then force	e/acceleration is zero for 1 mark each		
	alternativ	re limitation for safety		
		gains 1 mark only		
			3	[- 77
				[7]