Practice Question Set For GCSE

Subject : Physics

(a)

(i)

0.6 **or** 60<u>%</u>



Name Nax. N		Time : 21 Minutes		
/lark S	Sche			
Q1.				
(a	a)	(i)	earth wire	1
		(ii)	double	1
(t	(b) if too much current flows through the wire		much current flows through the wire	
			accept power for current	
			do not accept electricity for current	
			accept if more than 20 amps flows through the wire	1
		the f		
			accept 'blows' for melts	
			do not accept explodes / breaks / snaps etc	1
		brea	king the circuit	
			accept stopping the current flow	1 [5]
				[0]
Q2.				
F	an			1
K	ettle	e I	3	1
L	amp) [1
D	م ذاء م		_	-
K	adic)		1 [4]
				1.7
Q3.				

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			an answer of 0.6 / 60 with a unit gains 1 mark only an answer of 60 gains 1 mark only	2		
	(ii)	heat	allow thermal	1		
(b)	12 000 p or £120					
			to score both marks the unit must be consistent with the numerical answer answers 12 000 and 120 gain 1 mark only			
			allow 1 mark for correct substitution ie 800×15 or 800×0.15			
			provided no subsequent step shown	2	[5]	
Q4.						
(a)	(i)	6		1		
	(ii)	varia	ble resistor	1		
	(iii)	voltm	neter	1		
(b)	(i)	poin	t at 3 V ringed	1		
	(ii)	The s	student misread the ammeter.	1		
	(iii)	1 (vo	lt) accept every volt	1		
(c)	or		preases so does the other			
	or					
	,		accept a numerical description, eg when one doubles the other also doubles	1		
					[7]	

allow 1 mark for correct substitution ie $\overline{1200}$ provided no subsequent

step shown