## Practice Question Set For GCSE

**Subject : Physics** 

Paper-1 Topic: Electricity (Low Demand)



Name of Max. Ma	 Time : 21 Minutes			
Mark Scl	Timo : 21 minutos			
<b>Q1.</b> (a)	(i)	720		
(=)	(7	allow <b>1</b> mark for c	correct substitution, ed no subsequent step shown	2
	(ii)	720 or their (a)(i)		1
(b)	(i)	gravitational potential allow gravitational allow potential	I	1
	(ii)	subsequent step s	correct substitution, ie $\frac{21600}{50}$ provided no shown	2
Q2.		watt / W		1 [7]
(a)	(i)	circuit not complete  accept circuit is br accept switch / s a		1
	(ii)	9 allow <b>1</b> mark for c subsequent step s	correct substitution, ie 0.5 × 18 provided no shown	2
	(iii)	36		1
(b)	can be switched on / off from top or bottom of stairs		1	

(c)	(i)	(electric) shock accept fitting becomes live accept answers giving a possible consequence of electric shock, eg		
		death	1	
	(ii)	connect the <u>earth</u> wire	1	[7]
<b>Q3.</b> (a)	(i)	4.5	1	
	(ii)	2.25 or their (a)(i) ÷ 2 correctly calculated	1	
	(iii)	$V_2$	1	
(b)	(i)	30	1	
	(ii)	8  allow 1 mark for correct substitution ie 0.4 × 20 allow 1 mark for answers of 4 or 12		
	(iii)	Υ	2	
			1	[7]