Practice Question Set For GCSE

(c) any **two** from:

Subject : Physics

Subject: Physics Paper-2 Topic: GCSE Triple Science_Magnetism And Electromagnetism(LDQ)				
	the Studerks : 18 M	 Time : 18 Minutes		
Mark Scl	nemes			
Q1.				
(a)	iron	correct positions only	1	
	primary		1	
	secondar	ту	1	
(b)	(it) decre	eases the p.d. accept it would increase current accept voltage for p.d. the voltage goes from 230(V) to 20(V) is insufficient do not accept decreases current / energy / power do not accept decreases p.d. / voltage and current	1	
(c)	an enviro	onmental	1 [5]	
Q2. (a)	(i) 900			
		an answer of 9 k(N) gains 1 mark	1	
	(ii) incr	rease accept other comparative terms, eg give a bigger affect / change is insufficient	1	
	(iii) sma	all <u>er</u> accept other comparative terms, eg less	1	
(b)	QNM	all three in correct boxes one statement in correct box gains 1 mark	2	

	accept reduce the resistance of the coil or increase cross sectional area of wire		
	accept more cells / batteries or turn up the power supply increase power is insufficient		
	increase number of turns (on the coil)		
	increase the area (of the coil) accept increase the width of the coil increase width / size is insufficient		
	increase the (strength of the permanent) magnetic field accept move the magnets closer to the coil accept use stronger magnets do not accept use larger magnets	2	
(d)	an economic	1	[8]
Q3.			
(a)	a force	1	
(b)	any two from:		
	more powerful magnet do not allow 'bigger magnet'		
	reduce the gap (between magnet and coil)		
	increase the area of the coil		
	more powerful cell do not allow 'bigger cell' accept battery for cell accept add a cell accept increase current / potential difference		
	more turns (on the coil) allow 'more coils on the coil' do not allow 'bigger coil'		
(c)	reverse the (polarity) of the cell allow 'turn the cell the other way round' accept battery for cell	1	
	reverse the (polarity) of the magnet allow 'turn the magnet the other way up'	1	[5]

increase the current / p.d. (supplied to the coil)