Practice Question Set For GCSE

Subject : Physics

Q3.

(a)

(i)

0.6 **or**

Paper-1 Topic: Energy (Low Demand)



Name of the Student: Max. Marks : 19 Marks		 Time : 19 Minutes
Mark Sch		
Q1. (a)	fan	1
	drill	1
	washing machine four circled including correct three scores 1 mark five circled scores zero	1
(b)	Appliances only transfer part of the energy usefully	1
	The energy transferred by appliances makes the surroundings warmer	r 1 [5]
Q2. (a)	gas (burning)	1
(b)	(i) (transmission) cables and (step-up and step-down) transformers if transformers are named ie step-up transformer then both and step-down must be given	
	mention of power station or consumer negates mark	1
	(ii) voltage	1
	more efficient	1
(c)	increase	1 [5]

		720		
		allow 1 mark for correct substitution ie $\overline{1200}$ provided no subsequent step shown		
		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) sola	r and wind		
		both required for mark either order	1	
			1	
	(ii) 37(%	6)		
		accept their two sources in a(i)		
		correctly added as an error carried forward (ecf)	1	
			1	
(b)	Α			
			1	
(c)	gas is non	n-renewable		
, ,		do not accept they are not all renewable		
		statements such as gas produces CO _{2 is neutral}		
			1	
				[4]