## Practice Question Set For GCSE

Subject: Physics



Paper-1 Topic: GCSE Triple Science\_Electricity (Low Demand Questions)

Name of the Student:	
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Max. Marks: 26 Marks Time: 26 Minutes

Mark Schemes

Q1.

(a) correct circuit symbol

1

3 cells joined in series in correct orientation

e.g.

ignore absence of + symbol

1

(b) 
$$R = \frac{12}{1.6}$$

1

 $\mathsf{R} = 7.5 \; (\Omega)$ 

an answer of 7.5 ( $\Omega$ ) scores **2** marks

(c) 4.0 ( $\Omega$ ) allow their answer to part **(b)** – 3.5 correctly calculated

(d) it decreases

the current would be higher (for the same p.d.)

reason only scores if correct box is chosen

more than one path for charge to flow

allow current for charge

total resistance is always less than the smallest individual resistance

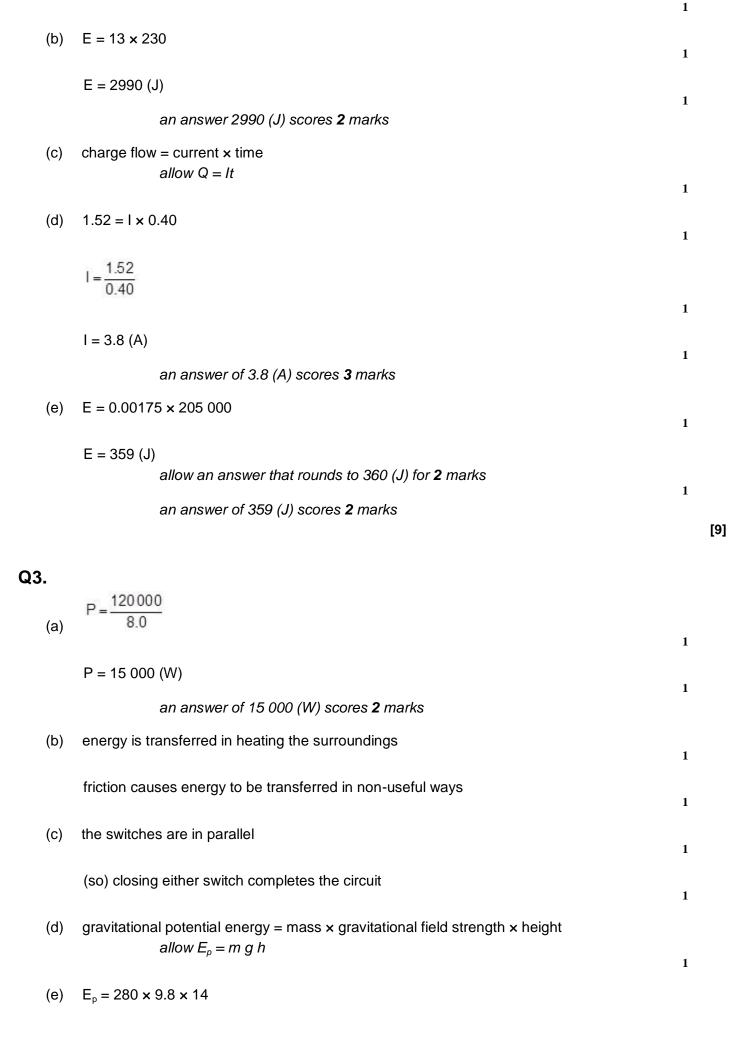
1

Q2.

(a)

1

[7]



an answer of 38 000 scores 3 marks

[10]

1