Practice Question Set For GCSE
Subject : Physics
Paper-1 Topic: Electricity (Low Demand)

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Name of the Student:_____
Max. Marks : 21 Marks **Time : 21 Minutes**

Mark Schemes

Q1.

(a) **A**

1

(b) **C**

1

(c) **C**

1

(d) **B**

1

(e) a series circuit has only one path/loop/branch

1

a parallel circuit has a branch(es) to provide more than one path / loop

allow answers that describe the difference in terms of potential difference, current or resistance

1

(f) **R**

1

(g) **P**

1

(h) Q = 0.97 × 60

1

Q = 58.2 (C)

1

Q = 58 (C)

*an answer of 58 (C) scores **3** marks*

1

[11]

Q2.

(a) earth

1

(b) it can prevent an electric shock from the toaster

1

(c) 230 V

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1

(d) (the potential difference) for the alternating supply changes direction

allow current

1

(the potential difference) for the alternating supply changes magnitude

allow current

allow converse

allow potential difference of alternating supply is greater

1

(e) there is an overall decrease

allow there is an decrease in percentage energy loss until 2013

1

but there is a (small) increase since 2013

1

(f) 1.92, 1.72, 1.70, 1.74, 1.77

1

(1.92 + 1.72 + 1.70 + 1.74 + 1.77)/5

1

1.77(%)

*an answer of 1.77(%) scores **3** marks*

1

[10]

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