Practice Question Set For GCSE
Subject : Physics
Paper-1 Topic: Energy (Standard Demand)

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Name of the Student:_____
Max. Marks : 18 Marks **Time : 18 Minutes**

Mark Schemes

Q1.

(a) 60% sector correct
other two sectors closer to 13:7 than 12:8 or 14:6
sectors correctly labelled (w.r.t rank order of size)
each for 1 mark

3

(b) (i) *ideas that wasted energy*
is transferred to surrounding air
pan
stove
is converted to another/correctly named energy form
any 2 for 1 mark each

2

(ii) 40
for 1 mark

1

[6]

Q2.

$\frac{3}{20} = 0.3$

each for 1 mark

[3]

Q3.

(a) cooking and heating water 30
heating rooms 50
each for 1 mark

2

(b) <u>coal</u>
idea that amount used fell/declined/line goes down
gains 1 mark

but *idea that* fall/decline is steady/gradually/approx halved
gains 2 marks

<u>gas</u>
ideas that
amount used rose/increased

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in/from 1980/more used before 1980/ref to 1980
as an important date/*rapid* increase in use
(*credit idea that* gas>coal from c.1990
in either part with 1 mark (to maximum 4)

each for 1 mark

max 4

(c) • *less* carbon dioxide produced

• less change to weather/food production/gained warming/water levels (no mark for "greenhouse gas" alone)

• no/less sulphur dioxide produced/coal produces sulphur dioxide

• less acid rain/damage to fish/buildings/trees/crops/animals/tumours etc
(do not credit reference to cost unless : cheaper so can spend more on environment)

("It" used in an answer will refer to "gas") any 3 for 1 mark each

3

[9]

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