

Name of the Student: _____

Max. Marks : 21 Marks

Time : 21 Minutes

Mark Schemes

Q1.

- (i) gravitational **or** potential
do not accept stored 1
- light
credit solar 1
- kinetic **or** movement
credit moving 1
- chemical 1
- (ii) any **one** from
gas
coal 1
- (iii) any **one** from
oil
*do not accept petrol **or** paraffin*
peat **or** turf
nuclear
*credit coal **or** gas if not given as answer to part (ii)*
*do not accept wood **or** fossil fuel **or** chemical* 1

[6]

Q2.

- (a) sectors nearer to correct value than to 1% either side
coal 35%
nuclear 5%
gas 24%
moving water 1%
*each for 1 mark -
to a maximum of 3 marks
deduct 1 mark if sector left blank*

three sectors labelled correctly w.r.t. rank order of size
for 1 mark

4

- (b) (fossil) fuels (*allow* combustible/flammable/non renewable)

1

- (c) moving water/hydro
wind/waves/tides/solar (*allow* geothermal/
wood/biomass)

each for 1 mark

2

- (d) any indication that we get more (energy from nuclear sources)

gains 1 mark

but

5 times as much/more

gains 2 marks

2

[9]

Q3.

- (a) sectors closer to correct value than $\pm 1\%$ nuclear (5%)
gas 24% moving water 1%

each for 1 mark

maximum of 2 marks

3

sectors labelled correctly w.r.t. rank order of size
for 1 mark

But deduct 1 mark if not all sectors used

- (b) 5 x as much (do **not** credit simply more/4% more)
4 x as much

1

- (c) wind/waves/solar/tides
(allow geothermal/wood/biomass)

any one for 1 mark

1

- (d) *idea that*
electricity is a secondary/man made source/needs another
source to produce it

for 1 mark

1

[6]