Name of the Student:_____
Max. Marks : 16 Marks **Time : 16 Minutes**

Mark Schemes

Q1.

Fan C
1

Kettle B
1

Lamp D
1

Radio E
1

[4]

Q2.

(a) (i) 0.6
or
60%

*allow **1** mark for correct substitution ie* $\frac{720}{1200}$ *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]

Q3.

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(a) (i) 6

1

(ii) variable resistor

1

(iii) voltmeter

1

(b) (i) point at 3 V ringed

1

(ii) The student misread the ammeter.

1

(iii) 1 (volt)

accept every volt

1

(c) as one increases so does the other
or
directly proportional
or
positive correlation

accept a numerical description, eg when one doubles the other also doubles

1

[7]

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