

Name of the Student: _____

Max. Marks : 10 Marks

Time : 10 Minutes

Mark Schemes

Q1.

(a) generator

*accept dynamo
accept alternator*

1

(b) (i) 1400

ignore units

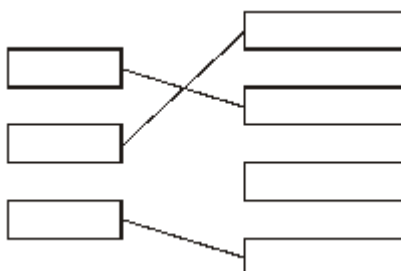
1

(ii) 0.3 or 30%

*any incorrect unit penalise 1 mark
allow 1 mark for the correct use of 600
or 0.3% or 30*

2

(c) 1 mark for each correct link



*if more than 3 lines are drawn, mark only
3 lines starting with those that are incorrect*

3

(d) (i) 110

no tolerance

1

(ii) 12

no tolerance

1

(iii) wind speed may be too low to operate the generator

*accept wind may not always blow
accept power depends on wind speed
accept does not generate if wind speed is too high
accept does not generate if wind speed is above 12 (m/s)
accept does not generate if wind speed is below 1.6 (m/s)*

accept it is unreliable
*do **not** accept answers referring to cost only*

1

[10]