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

Mark Schemes

Q1.

(a) (i) S_3
for 1 mark
1

(ii) S_1, S_2 and S_3
for 1 mark
1

(b) (i) increases/current passes through heaters/current unaffected in fan
for 1 mark
1

(ii) (fan) blows/air moving prevents dryer overheating
for 1 mark each
2

(c) (i) brown
blue
any order
for 1 mark each
2

(ii) earth/green and yellow
for 1 mark
1

(iii) (case is) plastic
plastic does not conduct (electricity)
for 1 mark each
2

(d) (i) 1300/power
for 1 mark
1

(ii) time/units of time
for 1 mark
1

[12]

Q2.

(a) (i) the lamp will be on/will give out light

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1

(ii) the lamp will be off/will not give out any light

1

(b) (very) large current flows
or damage the battery/overheat the battery
or short circuit
or wire get hot

1

(c) switch connected in series with lamp and battery

1

[4]

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