

GCSE

Science: (Modular)
Double Award and Physics

Module 10

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Electricity: Foundation Tier

Question No.	KEY
One	1 – switch 2 – ammeter 3 – variable resistor 4 – thermistor
Two	1 – H 2 – F 3 – G 4 – E
Three	1 – 100 2 – 50 3 – 2000 4 – 120 000
Four	1 – variable resistor 2 – transformer 3 – generator 4 – oscilloscope
Five	1 – S 2 – P 3 – Q 4 – R
Six	J L
Seven	the potential difference (voltage) across the 6 ohm resistor is 2.4 V the total resistance is 10 ohms
Eight	8.1 – D, 8.2 – B, 8.3 – A, 8.4 – B
Nine	9.1 – A, 9.2 – A, 9.3 – D, 9.4 – A
Ten	10.1 – B, 10.2 – A, 10.3 – B, 10.4 – D

Electricity: Higher Tier

Question No.	KEY
One	1 – S 2 – P 3 – Q 4 – R
Two	1 – J 2 – K 3 – M 4 – L
Three	the potential difference (voltage) across the 6 ohm resistor is 2.4 V the total resistance is 10 ohms
Four	V ₂ has a reading of 6 V V ₃ has a reading of 4 V
Five	1 – D, 2 – B, 3 – A, 4 – B
Six	1 – A, 2 – A, 3 – D, 4 – A
Seven	1 – B, 2 – A, 3 – B, 4 – D
Eight	1 – C, 2 – A, 3 – C, 4 – A
Nine	1 – C, 2 – A, 3 – B, 4 – A
Ten	1 – B, 2 – D, 3 – B, 4 – A