



General Certificate of Secondary Education

Science Double Award Modular 3468

Physics A 3453

Module 10: Electricity

Module Test Answer Keys

November 2006 examination series

Mark schemes are prepared by the Principal Examiner and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation meeting attended by all examiners and is the scheme which was used by them in this examination. The standardisation meeting ensures that the mark scheme covers the candidates' responses to questions and that every examiner understands and applies it in the same correct way. As preparation for the standardisation meeting each examiner analyses a number of candidates' scripts: alternative answers not already covered by the mark scheme are discussed at the meeting and legislated for. If, after this meeting, examiners encounter unusual answers which have not been discussed at the meeting they are required to refer these to the Principal Examiner.

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Electricity : Foundation Tier

Question No.	KEY
One	1 – lamp 2 – fuse 3 – thermistor 4 – variable resistor
Two	1 – blue plastic 2 – green and yellow plastic 3 – brown plastic 4 – white plastic
Three	1 – LDR 2 – thermistor 3 – diode 4 – filament lamp
Four	1 – increased 2 – decreased 3 – reversed 4 – the same
Five	1 – M 2 – L 3 – K 4 – J
Six	Electrons were rubbed from the rod on to the cloth The cloth gained a negative charge
Seven	P S
Eight	8.1 – A, 8.2 – C, 8.3 – D, 8.4 – B
Nine	9.1 – B, 9.2 – A, 9.3 – D, 9.4 – D
Ten	10.1 – A, 10.2 – A, 10.3 – A, 10.4 – D

Electricity : Higher Tier

Question No.	KEY
One	1 – M 2 – L 3 – K 4 – J
Two	1 – neutral 2 – earth 3 – live 4 – positive
Three	P S
Four	a bigger potential difference a smaller gap
Five	5.1 – A, 5.2 – C, 5.3 – D, 5.4 – B
Six	6.1 – B, 6.2 – A, 6.3 – D, 6.4 – D
Seven	7.1 – A, 7.2 – A, 7.3 – A, 7.4 – D
Eight	8.1 – B, 8.2 – C, 8.3 – D, 8.4 – B
Nine	9.1 – A, 9.2 – D, 9.3 – B, 9.4 – B
Ten	10.1 – D, 10.2 – A, 10.3, – A, 10.4 – C