

**GCSE**

**Physics (Modular)**

**Module 23**

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**Physics in Action: Foundation Tier**

Question No.	KEY
One	1 – LDR 2 – thermistor 3 – lamp 4 – capacitor
Two	1 – converging 2 – real 3 – diverging 4 – virtual
Three	1 – pressure switch 2 – AND gate 3 – relay 4 – drill circuit
Four	1 – capacitor 2 – NOT gate 3 – relay 4 – LED
Five	1 – an AND gate followed by a NOT gate 2 – an AND gate 3 – an OR gate 4 – a NOT gate
Six	M N
Seven	P R
Eight	1 – B, 2 – B, 3 – A, 4 – C
Nine	1 – C, 2 – B, 3 – C, 4 – D
Ten	1 – B, 2 – B, 3 – D, 4 – D

**Physics in Action: Higher Tier**

Question No.	KEY
One	1 – an AND gate followed by a NOT gate 2 – an AND gate 3 – an OR gate 4 – a NOT gate
Two	1 – CCTV 2 – mobile phone 3 – e-mail 4 – internet searching
Three	P R
Four	1 is the flat sheet and 2 is the converging lens 2 is the converging lens and 3 is the diverging lens
Five	1 – B, 2 – B, 3 – A, 4 – C
Six	1 – C, 2 – B, 3 – C, 4 – D
Seven	1 – B, 2 – B, 3 – D, 4 – D
Eight	1 – C, 2 – C, 3 – B, 4 – B
Nine	1 – D, 2 – C, 3 – D, 4 – C
Ten	1 – A, 2 – C, 3 – A, 4 – C