



ASSESSMENT and  
QUALIFICATIONS  
ALLIANCE

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Mark scheme  
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GCSE

Physics (Modular)

Module 23

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**Physics in Action: Foundation Tier**

Question	Key
One	1 – AND gate 2 – capacitor 3 – relay 4 – LED
Two	1 – input sensors 2 – processors 3 – logic gates 4 – output devices
Three	1 – LDR 2 – capacitor 3 – thermistor 4 – motor
Four	1 – temperature sensor 2 – NOT gate 3 – relay 4 – heater
Five	1 – current 2 – charge 3 – voltage 4 – resistance
Six	P S
Seven	A D
Eight	8.1 – B, 8.2 – C, 8.3 – C, 8.4 – B
Nine	9.1 – C, 9.2 – A, 9.3 – C, 9.4 – B
Ten	10.1 – D, 10.2 – D, 10.3 – B, 10.4 – C

**Physics in Action: Higher Tier**

Question	Key
One	1 – current 2 – charge 3 – voltage 4 – resistance
Two	1 – C 2 – D 3 – B 4 – A
Three	A D
Four	P S
Five	5.1 – B, 5.2 – C, 5.3 – C, 5.4 – B
Six	6.1 – C, 6.2 – A, 6.3 – C, 6.4 – B
Seven	7.1 – D, 7.2 – D, 7.3 – B, 7.4 – C
Eight	8.1 – D, 8.2 – A, 8.3 – B, 8.4 – A
Nine	9.1 – D, 9.2 – C, 9.3 – A, 9.4 – D
Ten	10.1 – D, 10.2 – B, 10.3 – B, 10.4 – D